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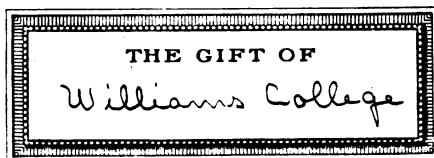
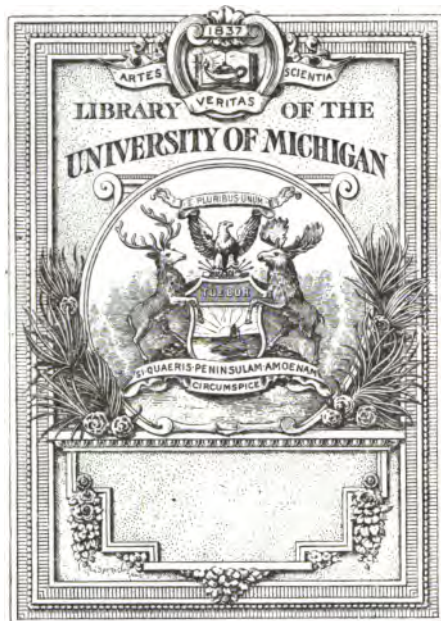
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35	Allen, Mr. S. E.	65A	Milham, Prof. W. I.	54	Morgan Hall
68	Atchison, Dr. C. S.	40	Morton, Prof. A. H.	30	Thompson Chapel
60	Bailey, Mr. R. O.	22	Parsons, Dr. E. B.	61	Thompson Biological Laboratory
12	Burr, Mr. C. H.	59	Perry, Prof. L.	60	Thompson Chemical Laboratory
76	Carter, Dr. F.	21A	Pratt, Prof. J. B.	56	Thompson Physical Laboratory
36	Clark, Prof. D. T.	57	Rice, Prof. R. A.	64	West College
77	Clarke, Prof. S. F.	37	Rice, Dr. J. P.	24	Williams Alumni House
82	Cleland, Prof. H. F.	78	Russell, Prof. J. E.		
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69	Doughty, Prof. W. H.	21A	Smith, Prof. T. C.		
2A	Droppers, Prof. G.	38	Snow, Mr. W. A.	73	A Δ Φ House
59	Dutton, Dr. G. B.	7	Wahl, Prof. G. M.	62	A Z A House
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19	Garfield, President	33	Wild, Prof. H. D.	74	Z Ψ House
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83	Green, Mr. E. A.	46	Baseball Cage	4	K A Lodge
8	Griffin, Prof. F. L.	43	Berkshire Hall	72	Φ Δ Θ House
60	Hack, Mr. R. K.	28	College Hall	5	Φ Σ K House
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2A	Hart, Mr. W. C.	63	Edward Clark Hall	79	St. Anthony Hall
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15	Hewitt, Mr. T. B.	70	Field Memorial Ob- servatory	20	Congregation'l Church
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25	Howes, Prof. G. E.	31	Griffin Hall	41	Methodist Church
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81	Johnson, Dr. C. W.	17	Haystack Monument		
27	Kellogg, Prof. J. L.	45	Heating Plant	6	Greylock Hotel
3	King, Prof. J. P.	29	Hopkins Hall	47	The Cosmo
10	Lewis, Prof. E. M.	44	Hopkins Observatory		
50	Lowe, Mr. J. A.	16	Infirmery	32	Street Railway Ter- minus
66	Maxcy, Prof. C. L.	55	Jesup Hall	48	Post Office
65	McElfresh, Prof. W.E.	50	Library, Lawrence Hall		
68	Mears, Prof. L.				
60	Mears, Prof. B.				

CATALOGUE
OF
WILLIAMS COLLEGE

1910-1911



WILLIAMSTOWN, MASS.
PUBLISHED BY THE COLLEGE
1910

1910														1911													
DEC.	NOV.	OCT.	SEPT.	AUG.	JULY	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.		DEC.	NOV.	OCT.	SEPT.	AUG.	JULY	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	
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CALENDAR

1910

June 22—CommencementWednesday
 June 30—Last day for re-application for scholarships....Thursday

SUMMER VACATION OF TWELVE WEEKS

Sept. 9-14—Examinations for admission, Fri., Sat., Mon., Tues., Wed.
 Sept. 13-15—Registration of all classes, Tues., Wed., Thurs. morning
 Sept. 15—Beginning of the College Year.....Thursday
 Oct. 4—Meeting of the Board of Trustees.....Tuesday
 Oct. 5—Last day for registering for the Master's Degree....Wed.
 Oct. 11—Mountain Day, a holiday.....Tuesday
 Nov. 24-26—Thanksgiving Recess.....Thurs., Fri., Sat.
 Dec. 21—Christmas Recess begins.....Wednesday 4:30

1911

Jan. 4—Christmas Recess ends.....Wednesday
 Jan. 25—Recitations end.....Wednesday
 Jan. 26—Semi-annual examinations begin.....Thursday
 Feb. 4—First semester ends.....Saturday

Feb. 5—Second semester begins.....Sunday
 Feb. 22—Washington's Birthday, a holiday.....Wednesday
 Apr. 12—Easter Recess begins.....Wednesday 4:30
 Apr. 19—Easter Recess ends.....Wednesday
 May 11—Meeting of the Board of Trustees.....Thursday
 May 30—Memorial Day, a holiday.....Tuesday
 June 3—Recitations end.....Saturday
 June 5-14—Semi-annual examinations.....Mon. through Wed.
 June 17—Graves Prize Speaking.....Saturday evening
 June 18—Baccalaureate Sermon.....Sunday forenoon
 June 18—Mission Park Meeting.....Sunday afternoon
 June 19—Meeting of the Board of Trustees.....Monday
 June 19—Prize Rhetorical Exhibition.....Monday evening
 June 19-24—Examinations for admission.....Mon. through Sat.
 June 20—Alumni Meeting.....Tuesday forenoon

WILLIAMS COLLEGE

June 20—Class Day Exercises.....Tuesday afternoon
June 21—CommencementWednesday
June 30—Last day for re-application for scholarshipsFriday

SUMMER VACATION OF THIRTEEN WEEKS

Sept. 15-20—Examinations for admission, Fri., Sat., Mon., Tues., Wed.
Sept. 19-21—Registration of all classes, Tues., Wed., Thurs. morning
Sept. 21—Beginning of the College Year.....Thursday
Oct. 5—Meeting of the Board of Trustees.....Thursday
Oct. 5—Last day for registering for the Master's Degree. Thurs.
Oct. —Mountain Day, a holiday.....

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REV. HENRY HOPKINS, D.D., LL.D., 1902-1908
HARRY AUGUSTUS GARFIELD, LL.D., 1908-

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1909-1912

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1910-1913

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WILLIS ISBISTER MILHAM, PH.D.† <i>Field Memorial Professor of Astronomy</i>	20 Hoxsey St.

*Arranged in the order of appointment to rank

† Absent on leave during the second semester

‡ Absent on leave

WILLIAMS COLLEGE

II

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*Jackson Professor of Christian Theology, and Pastor of the
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<i>Instructor in French</i>	
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<i>Instructor in Latin</i>	

† Absent on leave

WILLIAMS COLLEGE

13

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ASSISTANT PROFESSOR LEWIS

WILLIAMS COLLEGE

The college owes its origin to an educational bequest of Colonel Ephraim Williams for the purpose of establishing "a Free School" in Williamstown. The charter of this school, which was granted March 8, 1785, reads as follows:

AN ACT for directing the use and appropriation of a charitable donation, made in a certain clause in the last will and testament of Ephraim Williams, Esq., for the support and maintenance of a Free School in Williamstown, in the County of Berkshire; and for incorporating certain persons as trustees, in order more effectually to execute the intention of the testator, expressed in the same.

WHEREAS, Israel Williams, Esq., and John Worthington, Esq., executors of the last will and testament of Ephraim Williams, Esq., deceased, have represented to this court that the said Ephraim Williams, on the twenty-second day of July, Anno Domini one thousand seven hundred and fifty-five, made his last will and testament, in which, after divers bequests, devises, and dispositions, is contained the following clause, viz.:

Item: "It is my will, desire, and pleasure that the remaining part of the lands, not yet disposed of, shall be sold at the discretion of my executors, within five years after an established peace; and the interest of the money and also the interest arising from my bonds and notes shall be appropriated towards the support and maintenance of a Free School, in a township west of Fort Massachusetts, commonly called the West Township, forever; provided, the said township shall fall within the jurisdiction of the Province of Massachusetts Bay; and provided, also, the Governor and General Court give the same township the name of Williamstown; and it is further my will and desire, that if there should remain any monies of the said above donation for the school, it be given towards the support of a school in the East Township, where the fort now stands; but in case the above provisos are not complied with, then it is my last will and choice that the interest of the

above-mentioned monies be appropriated to some pious and charitable uses, in manner and form as above directed in the former part of my last will and testament."

And, whereas the said executors have further represented that it may be a matter of doubt and uncertainty whether the township mentioned in the above recited clause (which is now incorporated by the name of Williamstown) has so far fallen within the jurisdiction of the Province of Massachusetts, now Commonwealth of Massachusetts, in the sense of the testator, as that they might be justified in appropriating the said donation to the support and maintenance of a Free School in said town; and have submitted their duty to the determination of this court, praying that an act may be passed to declare their duty, and to indemnify them in the execution of the same.

SECTION 1. Be it enacted by the Senate and the House of Representatives, in General Court assembled, and by authority of the same, that the donation made in the clause before recited ought to be presently applied to the use and maintenance of a Free School in the town of Williamstown, in the County of Berkshire, and that in case the said donation shall afford an annual interest more than sufficient for the supporting and maintaining such school in Williamstown, then the surplusage be appropriated to the use and maintenance of a Free School in the tract of land called by the testator East Township, now incorporated by the name of Adams, with other lands, applying and appropriating the said donation to the uses above expressed, and shall be liable to no action or suit in law or equity, on account of such appropriations.

And, whereas the said executors have further prayed that for carrying into complete execution the intention of the testator, a corporation may be created and vested with such powers as may be necessary for that purpose;

SECTION. 2. Be it therefore enacted by the authority aforesaid, that William Williams of Dalton, Theodore Sedgwick, Woodbridge Little, John Bacon, Thompson Joseph Skinner, Esquires, the Reverends Seth Swift and Daniel Collins, Mr. Israel Jones and Mr. David Noble, and their successors, to be elected and appointed as hereinafter directed and provided, be, and hereby are, incorporated, and shall be a corporation forever by the name of "The Trustees of the donation of Ephraim Williams, Esq., for maintaining a Free School in Williamstown"; and that the said trustees and their successors

be, and hereby are, vested with all the powers, rights, and immunities, which are by law incident to aggregate eleemosynary corporations.

SECTION 3. And be it further enacted, that the said corporation shall always consist of a number not less than seven, nor more than nine persons, excepting only that whenever a vacancy shall happen by death, removal, refusal, or resignation of any member or members, so that the number be reduced to less than seven, the aforesaid number, then the remaining or surviving trustees shall have full power to perform all corporate acts until such vacancy be supplied; and the said trustees shall elect and appoint a clerk of the corporation, who shall fairly enter and record all votes, acts, orders, and proceedings made, done or passed by the trustees; and shall elect a proper person to be their treasurer, who shall receive into his hands all monies belonging to the corporation and pay the same pursuant to the order of the trustees, and shall always keep a fair account of all receipts and payments.

SECTION 4. And be it further enacted, that the power of electing and appointing successors in case of the death, removal, refusal, or resignation of any of the trustees be, and hereby is, vested solely in the Supreme Judicial Court of this Commonwealth; and whenever any of the above-mentioned cases shall happen, the trustees shall, as soon as conveniently may be, certify the same to the Justices of the said court, that a successor may be appointed; and the Justices of the same court are hereby empowered to remove from office and trust any member of the corporation who shall, in their judgment, be unfit to hold the same, by reason of incapacity, misdemeanor, negligence, or breach of trust.

And to the intent that the said donation may not be wasted, mismanaged, or perverted from its original intention;

SECTION 5. Be it further enacted by the authority aforesaid, that the said corporation, and the donation itself, shall always be under the visitation and direction of the Supreme Judicial Court, who are hereby empowered to visit the said corporation to rectify all abuses, to determine all matters of doubt or dispute touching the duty of the trustees, and the use, application, or appropriation of monies or interests to the same donation belonging; and to make all such orders and regulations with respect to the use, management, and appropriation of the same donation and every part thereof, as they

shall judge necessary or useful in order to promote the best interest of the school, according to the true meaning and intention of the testator and such laws of this Commonwealth as may be in force respecting the same; and the said court, whenever they shall judge necessary, shall cause the said trustees to come before them, either to render an account of expenditures and dispositions of monies, or to answer for any mismanagement or breach of trust; and the trustees shall appear and lay their accounts, papers, records, and corporation books before the said court for inspection, whenever they shall be required thereto.

SECTION 6. And be it further enacted, that the said trustees and their successors forever shall have the possession, management, and disposition of the whole interest and estate, real and personal, which is contained in and given, bequeathed, devised, or disposed of by the above recited clause in the will aforesaid; and they are hereby empowered and directed, as soon as conveniently may be, to erect and maintain a Free School within the said town of Williamstown, for the instruction of youth, in such manner as most effectually to answer the pious, generous, and charitable intention of the testator, and agreeable to such orders and instructions as they may, from time to time, receive from the Supreme Judicial Court; and they are hereby empowered to appoint and employ instructors, masters, and officers, as shall be necessary for that purpose.

And to the intent that the said trustees may be enabled, in the most easy and expeditious manner, to receive in their own possession and management, the whole estate, property, and interest, contained in the aforesaid donation;

SECTION 7. Be it further enacted by the authority aforesaid, that the said executors shall, at the request of the trustees, make and execute to the said trustees a deed or deeds of conveyance of all such lands or real estate as belong to said donation, and yet remain unsold, in which deed or deeds it shall be expressed that the executors do grant to the trustees the right, estate, and interest of the testator, and of themselves, in and to the described lands or tenements to the trustees and their successors forever; and the said executors shall deliver over into the hands of the trustees, at their request, all such personal securities or mortgages as the executors now have in their own hands, and which are a part of the same donation; all of which securities, whether bonds, promisory notes, mortgage deeds, or of what name or description soever, being endorsed with the names of the said executors, or one of them,

and delivered as aforesaid, shall become the property of the trustees to all intents and purposes; and they are hereby empowered, in the name of the corporation, to bring any action or actions against the obligors, promisors, mortgagors, or tenants, for recovering the contents of the same securities, or possession of mortgaged estates, which action or actions shall be holden to be good and valid in law for that purpose, as if the securities or mortgage deeds had been originally made to the trustees by their corporate names.

And, whereas the testator has directed, that in case his principal donations should afford an interest more than sufficient for the support and maintenance of the school in Williamstown, the surplusage should be improved to the use of a school in the East Township, now called Adams, in the said County of Berkshire; and whereas questions and disputes may arise touching the (nature) meaning and extent of this part of the will, and where there may be said to be a surplusage beyond what should be necessary, according to the intent of testator, for the support of the school in Williamstown;

SECTION 8. Be it further enacted, that in case of such surplusage, the said trustees are hereby empowered and directed to use and employ the same for erecting and supporting a Free School in the said town of Adams, in the same manner as has been in this act before provided in respect of the school in Williamstown; and that all questions and disputes that may arise concerning such surplusage, and the duty of the trustees in respect of the several schools, shall be determined by the Supreme Judicial Court; and the trustees shall always conform their conduct and administration herein to such orders and determinations as shall, from time to time, be made by the same court.

SECTION 9. And be it further enacted, that the Supreme Judicial Court may, at their discretion, exercise all the powers vested in them by virtue of this act, at any of the sessions holden within the counties of Berkshire or Hampshire; and in all trials at law, the court, ex-officio, shall take notice of this act to all intents and purposes whatsoever, and the same shall be given in evidence under any general issue.

At their first meeting, April 24, 1785, the trustees passed a resolution to the effect that "it is the sense of the corporation that the Free School in Williamstown be open and free for the use and benefit of the inhabitants of that town

and of the free citizens of the American States indiscriminately." They also decided that "it will best coincide with the liberal views of the donor and the intention of the legislature to admit no pupil to the Free School * * * not having been taught to read English well."

As they found it difficult to collect the necessary funds for erecting a building, the trustees sent a petition, August 19, 1788, to the legislature, "for the grant of a lottery to raise the sum of twelve hundred pounds." Accordingly an act was passed February 11, 1789, making such a grant.

The initial step toward a transformation of the Free School into a college was taken at a meeting of the trustees, May 23, 1792. In a petition to the legislature they "humbly showed" what had been done already, and set forth the "several circumstances attending the situation of the Free School * * * peculiarly favorable to a seminary of a more public and important nature." The petition was granted, and an act to establish the college and to transfer to it the property of the Free School was passed June 22, 1793:

An act to establish a college in the County of Berkshire, within this Commonwealth by the name of Williams College.

Be it enacted by the Senate and House of Representatives, in the General Court assembled, and by the authority of the same, that there be erected and established in the town of Williamstown, in the County of Berkshire, a college for the purpose of educating youth, to be called and known by the name of Williams College, to be under the government and regulation of a body politic and corporate, as hereafter in this act provided.

And be it further enacted by the authority aforesaid, that John Bacon, Esq., Rev. Daniel Collins, Israel Jones, Woodbridge Little, David Noble, Theodore Sedgwick, Thompson J. Skinner, Esquires, Rev. Seth Swift, Henry Vanscaak, Esq., Rev. Stephen West, D.D., William Williams and Elijah Williams, Esquires, together with the president of the said college for the time being, to be chosen as in this act is hereafter directed, be and hereby are created a body politic and corporate, by the name of "The President and Trustees

of Williams College," and that they and their successors, and such others as shall be duly elected members of the said corporation, shall be and remain a body politic and corporate, by that name forever.

And be it further enacted by the authority aforesaid, that for the more orderly conducting the business of the said corporation, The President and Trustees shall have full power and authority from time to time, as they shall determine, to elect a vice president and secretary of the said corporation and to declare the tenures and duties of their respective offices and also to remove any trustee from the said corporation, when, in their judgment, he shall be rendered incapable, by age or otherwise, of discharging the duties of his office or shall neglect or refuse to perform the same, and to fill up all vacancies in the said corporation, by electing such persons for trustees as they shall judge best. Provided, nevertheless, that the number of the said trustees, including the president of the said college, for the time being, shall never be greater than seventeen nor less than eleven.

And be it further enacted, that the said corporation may have one common seal, which they may change, break or renew, at their pleasure; and that all deeds signed and delivered by the treasurer, and sealed with their seal, by order of the President and Trustees, shall, when made in their corporate name, be considered in law as the deed of the said corporation; and that the said corporation may sue and be sued in all actions, real, personal or mixed, and may prosecute and defend the same to final judgment and execution, by the name of the President and Trustees of Williams College; and that the said corporation shall be capable of having, holding and taking in fee simple of any less estate, by gift, grant, devise or otherwise, any lands, tenements or other estate real or personal. Provided, nevertheless, that the annual clear income of the same shall not exceed the sum of six thousand pounds.

And be it further enacted by the authority aforesaid, that the said corporation shall have full power and authority to determine at what times and places their meetings shall be holden and in the manner of notifying the trustees to convene at such meetings; and also from time to time, elect a president and treasurer of said college, and such professors, tutors, instructors, and other officers of said college as they shall judge most for the interest thereof, and to determine the duties, salaries, emoluments and tenures of their several officers aforesaid; the said president, for the time being, when elected and inducted into his office, to be ex-officio, presi-

dent of said corporation. And the said corporation are further empowered to purchase or erect, and to keep in repair, such houses and other buildings as they shall judge necessary for the said college; and also to make and ordain, as occasion may require, reasonable rules, orders and by-laws, not repugnant to the laws of this Commonwealth, with reasonable penalties, for the good government of the said college; and also to determine and prescribe the mode of ascertaining the qualifications of the students, requisite to their admission; and also to confer such degrees as are usually conferred by universities established for the education of youth. Provided, nevertheless, that no corporate business shall be transacted at any meeting, unless seven at least of the trustees are present; and provided further, that the said corporation shall confer no degree other than those of Bachelor of Arts and Master of Arts, until after the first day of January, which shall be in the year of our Lord one thousand eight hundred.

And be it further enacted by the authority aforesaid, that the clear rents, issues and profits of all the estates, real and personal, of which the said corporation shall be seized or possessed, shall be appropriated to the endowment of said college, in such manner as shall most effectually promote virtue and piety, and the knowledge of such of the languages, and of the liberal arts and sciences as shall hereafter be directed from time to time, by the said corporation.

And be it further enacted by the authority aforesaid, that the Hon. Thompson J. Skinner, Esq., be, and he is hereby authorized and empowered to fix the time and place for holding the first meeting of the said corporation, of which he shall give notice by an advertisement in the Stockbridge newspapers, at least fourteen days previous thereto.

And be it further enacted by the authority aforesaid, that the treasurer of the said college shall, before he enter upon the execution of the duties of his office, give bonds to the said corporation, with such sums, and with such sureties as they shall approve of, conditioned for the faithful discharge of the said office, and for rendering a just and true account of his doings therein, when required. And that all the money, securities and other property of The President and Trustees of Williams College, together with all the books in which his accounts and proceedings as treasurer were entered and kept, that shall be in his hands at the expiration of his office, shall, upon demand made upon him, his executors or administrators, be paid and delivered over to his successor in that

office. And all monies recovered by virtue of any suit at law, upon said bond, shall be paid over to the president and trustees aforesaid, and subjected to the appropriation above directed in this act.

And be it further enacted by the authority aforesaid, that the Legislature of this Commonwealth may grant any further powers to, or alter, limit, annul or restrain any of the powers by this act vested in said corporation, as shall be judged necessary to promote the best interest of the said college; and, more especially, may appoint and establish overseers or visitors of the said college, with all necessary powers and authorities for the better aid, preservation and government thereof.

And be it further enacted by the authority aforesaid, that all the property, real and personal, belonging to the trustees of Williamstown Free School, be, and the same hereby is vested in the corporation, which by this act is created.

And be it further enacted by the authority aforesaid, that there be, and hereby is granted to the trustees of Williams College, for the use, benefit and purpose of supporting said college, twelve hundred pounds, to be paid out of the treasury of this Commonwealth; three hundred pounds of the same to be paid the first day of September, one thousand seven hundred ninety-three, and three hundred pounds annually, on the first day of September, for the three succeeding years.

February 26, 1796, an additional act was passed, as follows:

WHEREAS, Doubts have arisen whether the rights and credits which, previous to passing the act aforesaid, were vested in and belonging to the trustees of the donation of EPHRAIM WILLIAMS, Esquire, for maintaining a Free School in WILLIAMSTOWN, are by virtue of the same act transferred to and vested in the corporation of THE PRESIDENT AND TRUSTEES OF WILLIAMS COLLEGE:

Be it therefore enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, that the said rights and credits be and hereby are transferred to and vested in the said Corporation of THE PRESIDENT AND TRUSTEES OF WILLIAMS COLLEGE, who are hereby authorized to commence and prosecute to their final judgment and execution, any suit or action in law or equity, which the said trustees of the donation of EPHRAIM WILLIAMS, Esquire, for maintaining a free school in WILLIAMSTOWN, might heretofore have commenced or prosecuted.

On petition of the trustees the legislature passed an act February 4, 1796, granting the college two townships of land "of the contents of six miles square each, to be laid out and assigned from any of the unappropriated lands belonging to this Commonwealth in the district of Maine." The act provided that the trustees "shall cause to be settled fifteen families in each of said townships within twelve years from the passing this resolve; and also that there be reserved in each township three lots of three hundred and twenty acres each for the following uses, viz., one lot for the first settled minister, one lot for the use of the ministry, and one lot for the use of schools in each of said townships." These lands were sold for about \$10,000, and the proceeds devoted to building East College.

Nine years later the college again appealed to the legislature for assistance. A committee of that body, which investigated the condition and prospects of the institution, made the following report, February 19, 1805:

The Committee of both Houses, to whom was referred the petition of The President and Trustees of Williams College, praying the aid of government to enable them to build a chapel for the performance of divine service, and for keeping the college library and apparatus, having examined the origin, rise, and progress of the seminary, from its institution to the present time, together with the aid heretofore afforded by the government, and the existing state of its funds, beg leave to observe, That the funds granted by the original donor and the government have, in the opinion of the Committee, been judiciously applied to the object of the institution, and with success exceeding the most sanguine expectations, and that the present state of the college affords a reasonable and pleasing expectation of its future extensive benefits to society, and that a chapel for the purposes above mentioned would essentially promote the same; and as the encouragement and grants of the government to that college have not been equal to those made to other seminaries in the Commonwealth, the Committee ask leave to report the following resolve:

Resolved, For reasons set forth in the petition, that there be and hereby is granted one township of land of the contents of six miles

square to be laid out and assigned from any of the unappropriated lands belonging to the Commonwealth, in the District of Maine, except the ten townships lately purchased of the Penobscot Indians. * * *

In 1809 the legislature granted another township of land in Maine "for further aid in support of Williams College and for the erecting of other buildings for the convenience of the institution and for sustaining a professor of the Oriental languages." The sum of \$9,500 was realized from the last two townships.

The legislature passed an act February 24, 1814, "for the Encouragement of Literature, Piety and Morality and the Useful Arts and Sciences," and appropriated the taxes due to the Commonwealth from the Massachusetts Bank, "for the ten years next to come," to Harvard, Williams, and Bowdoin. Of this fund Williams received three-sixteenths parts, which amounted to \$30,000. In 1859 the State gave the College \$25,000 and in 1868, \$75,000. The total of these legislative gifts is \$153,500.

In 1884 the following act was passed:

An act to authorize The President and Trustees of Williams College to hold additional real and personal estate.

[Be it enacted, etc., as follows:]

SECTION 1. The proviso in section 4 of the act establishing Williams College, passed on the twenty-second day of June in the year seventeen hundred and ninety-three, is hereby amended so as to read: "Provided, nevertheless, that the clear annual income of the same shall not exceed two hundred thousand dollars."

SECTION 2. This act shall take effect upon its passage.

In 1890 the legislature passed the following act:

The corporation known as The President and Trustees of Williams College and its standing committees may hold special meetings without the limits of the Commonwealth.

In 1906 the legislature passed the following act:

An act to authorize The President and Trustees of Williams College to hold additional real and personal property.

[Be it enacted, etc., as follows:]

SECTION 1. The proviso at the end of section four of the act establishing Williams College, passed on the twenty-second day of June in the year seventeen hundred and ninety-three, as amended by chapter thirty-nine of the acts of the year eighteen hundred and eighty-three is hereby further amended by striking out the words "two hundred thousand," in the last line of the proviso, and inserting in place thereof the words:—one million,—so that the proviso will read as follows:—Provided, nevertheless, that the clear annual income of the same shall not exceed one million dollars.

SECTION 2. This act shall take effect upon its passage.

The principal college buildings with the dates of their erection are as follows: West College, 1790; East College, 1798; burned in 1841, rebuilt, 1842; Fayerweather Hall, 1905; formerly South College, 1842; Griffin Hall, 1828; moved and remodeled in 1904; Hopkins Observatory, 1837; Lawrence Hall Library, 1846; Goodrich Hall, 1859; formerly the Alumni Hall Chapel, remodeled and converted into recitation and seminar rooms in 1905; College Hall, 1872; Edward Clark Hall, 1908; original structure erected in 1881; Field Memorial Observatory, 1882; Morgan Hall, 1882; Lasell Gymnasium, 1886; Library Extension, 1890; Hopkins Memorial Hall, 1890; Thompson Chemical Laboratory, 1892; Thompson Biological Laboratory, 1893; Thompson Physical Laboratory, 1893; College Infirmary, 1895; Jesup Hall, 1899; Thompson Memorial Chapel, 1904; Central Heating Plant, 1904; Berkshire Hall, 1905; Currier Hall, 1908.

ADMISSION

All correspondence in matters of admission should be addressed to the Chairman of the Committee on Admissions.

REQUIREMENTS FOR ADMISSION

An application for admission should be filed by every candidate not later than August 1st of the year in which he wishes to enter college. A blank for this purpose can be secured by addressing the Chairman of the Committee on Admissions.

Every candidate for admission must present a testimonial of good character from the principal under whom he was prepared for college. This must be submitted before the attendance on college exercises begins.

Candidates for admission to the Freshman class must present satisfactory qualifications in one of the following groups of subjects, the work covered by each subject being given in detail below. Students admitted under any of the five groups are candidates for the degree of Bachelor of Arts.

GROUP I

English *a* and *b*
Greek *a*, *b*, *c*, and *g*
History *a*
Latin NR 1, NR 2, NR 4, and
NR 5 or
Latin *a*, *b*, *c*, *dq*, and *m*
Mathematics *a* and *c*
An Elective

GROUP II

English *a* and *b*
*French *a* and *b*
History *a*
Latin NR 1, NR 2, NR 4, and
NR 5 or
Latin *a*, *b*, *c*, *dq*, and *m*
Mathematics *a* and *c*
An Elective

* The passing of French *b* does not entitle to credit in French *a*. Both French *a* and French *b* must be passed.

GROUP III

English *a* and *b*
 *German *a* and *b*
 History *a*
 Latin NR 1, NR 2, NR 4, and
 NR 5 or
 Latin *a, b, c, dq, and m*
 Mathematics *a* and *c*
 An Elective

GROUP IV

English *a* and *b*
 French *a*
 History *a*
 Latin NR 1, NR 2, NR 4, and
 NR 5 or
 Latin *a, b, c, dq, and m*
 Mathematics *a, b, c, d, and f*
 An Elective

GROUP V

English *a* and *b*
 German *a*
 History *a*
 Latin NR 1, NR 2, NR 4, and NR 5 or
 Latin *a, b, c, dq, and m*
 Mathematics *a, b, c, d, and f*
 An Elective

The Elective required may be chosen by the candidate from the following list, it being understood that no subject specified as a requirement of a particular Group (like French *a* and French *b* in Group II) may serve as an Elective in that Group.

CLASS A

Botany
 History *b*
 History *c*
 History *d*
 Zoölogy

CLASS B

Chemistry	German <i>b</i>
French <i>a</i>	Mathematics <i>b</i>
French <i>b</i>	Mathematics <i>d</i>
German <i>a</i>	Mathematics <i>f</i>
Physics	

The Electives of Class A may be presented by certificate or by examination; those of Class B may be presented by examination only.

The number of year-hours required for graduation is sixty-two, if the candidate offers an Elective of Class A; if he offers an Elective of Class B, the number of hours required for graduation is reduced by one for Mathematics *d* or

*The passing of German *b* does not entitle to credit in German *a*. Both German *a* and German *b* must be passed.

Mathematics *f*; by two for Chemistry, Mathematics *b*, or Physics; and by three for French *a*, French *b*, German *a*, or German *b*. If a candidate offers two or more of the Electives of Class B (selecting those not specifically required in his Group), the requirement for graduation is diminished by the corresponding total number of hours. (*Cf.* pages 55-59.)

The details of the requirements in each subject except Botany, Chemistry and Zoölogy are given in the following pages. English includes in every case English *a* and *b*; Greek includes Greek *a*, *b*, *c*, and *g*; and Latin includes Latin NR 1, NR 2, NR 4, and NR 5, or Latin *a*, *b*, *c*, *dq*, and *m*.

For the details of the requirements in Botany, Chemistry, and Zoölogy, see the publications of the College Entrance Examination Board, *Anticipation of College Courses*, p. 55, and also *Chemistry* I in the announcement of the department of Chemistry, p. 93.

The notation used agrees with that of the College Entrance Examination Board.

DETAILS OF SUBJECTS

ENGLISH Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

ENGLISH GRAMMAR AND COMPOSITION

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, paragraphs, and the different kinds of whole composition, including letter-writing, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary

school period. Written exercises may well comprise narration, description, and easy exposition and argument based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by the concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

LITERATURE

The second object is sought by means of two lists of books, headed respectively **READING** and **STUDY**, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and encouraged to commit to memory some of the more notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

- a **READING** The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

FOR STUDENTS ENTERING IN 1911

Shakespeare's *The Merchant of Venice* and *Julius Caesar*; the *Sir Roger de Coverley Papers* in the *Spectator*; Franklin's *Autobiography*; Scott's *The Lady of the Lake* and *Ivanhoe*; Hawthorne's *The House of the Seven Gables*; Macaulay's *Lays of Ancient Rome*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Dickens's *A Tale of Two Cities*

FOR STUDENTS ENTERING IN 1912

Shakespeare's *As You Like It* and *Julius Cæsar*; Franklin's *Autobiography*; Goldsmith's *The Deserted Village*; Dickens's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Irving's *Sketch Book*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Macaulay's *Lays of Ancient Rome*

FOR STUDENTS ENTERING IN 1913, 1914, AND 1915

After 1912 the books provided for reading are arranged in the following groups, from which at least ten units* are to be selected, two from each group:

I. The *Old Testament*, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the *Odyssey*, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; the *Iliad*, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI; Vergil's *Aeneid*. The *Odyssey*, *Iliad*, and *Aeneid* should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

II. Shakespeare's *Merchant of Venice*; *Midsummer Night's Dream*; *As You Like It*; *Twelfth Night*; *Henry the Fifth*; *Julius Cæsar*

III. Defoe's *Robinson Crusoe, Part I*; Goldsmith's *Vicar of Wakefield*; either Scott's *Ivanhoe* or Scott's *Quentin Durward*; Hawthorne's *House of the Seven Gables*; either Dickens's *David Copperfield* or Dickens's *A Tale of Two Cities*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; George Eliot's *Silas Marner*; Stevenson's *Treasure Island*

IV. Bunyan's *Pilgrim's Progress, Part I*; The *Sir Roger de Coverley Papers* in the *Spectator*; Franklin's *Autobiography* (condensed); Irving's *Sketch Book*; Macaulay's *Essays on Lord Clive* and *Warren Hastings*, Thackeray's *English Humorists*; *Selections from Lincoln* including at least the two

* Each unit is set off by semicolons.

Inaugurals, the Speeches in Independence Hall and at Gettysburg, the last Public Address, and the Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's *Oregon Trail*; Thoreau's *Walden*, or Huxley's *Autobiography* and selections from *Lay Sermons*, including the address on Improving Natural Knowledge, A Liberal Education, and a Piece of Chalk; Stevenson's *Inland Voyage* and *Travels with a Donkey*

V. Palgrave's *Golden Treasury (First Series)*, *Books II and III*, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's *Elegy in a Country Churchyard* and Goldsmith's *Deserted Village*; Coleridge's *Ancient Mariner* and Lowell's *Vision of Sir Launfal*; Scott's *Lady of the Lake*; Byron's *Childe Harold, Canto IV*, and *Prisoner of Chillon*; Palgrave's *Golden Treasury (First Series)*, *Book IV*, with especial attention to Wordsworth, Keats, and Shelley; Poe's *Raven*, Longfellow's *Courtship of Miles Standish*, and Whittier's *Snow Bound*; Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*

- b STUDY This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions.

FOR STUDENTS ENTERING IN 1911

Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; either Burke's *Speech on Conciliation with America* or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; either Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*

FOR STUDENTS ENTERING IN 1912

Shakespere's *Macbeth*; either Milton's *Comus*, *L'Allegro*, and *Il Penseroso*, or Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; either Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*

FOR STUDENTS ENTERING IN 1913, 1914, AND 1915

Shakespere's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; either Burke's *Speech on Conciliation with America*, or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; either Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*

NOTE:—The books for 1910, 1911, and 1912 are selected from the list adopted by the Conference on Uniform Entrance Requirements in English, at meetings held in New York City on February 22, 1905, and February 22, 1908. Candidates may make other selections from that list provided they give notice of their intention to present these books, on or before the first day of February preceding the examination.

EXAMINATION

However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which may be taken as a preliminary, and the other as a final.

The first part of the examination will be upon ten units chosen, in accordance with the plan described earlier, from the lists headed *Reading*; and it may include also questions upon grammar and the simpler principles of rhetoric, and a short composition upon some topic drawn from the student's general knowledge or experience. On the books prescribed for reading, the form of the examination will usually be the writing of short paragraphs on several topics

which the candidate may choose from a considerable number. These topics will involve such knowledge and appreciation of plot, character-development, and other qualities of style and treatment as may be fairly expected. In grammar and rhetoric, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors.

The second part of the examination will include composition and those books comprised in the list headed *Study*. The test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books prescribed for *Study*, from the candidate's other studies, and from his personal knowledge and experiences quite apart from reading. For this purpose the examiner will provide several subjects, perhaps five or six, from which the candidate may make his own selections. The test on the books prescribed for study will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

FRENCH

a Elementary French

The Aim of the Instruction At the end of the elementary course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of every-day life or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar as defined below.

The Work to be Done During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the form and the principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and the use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: About's *Le roi des montagnes*, Bruno's *Le tour de la France*, Daudet's easier short tales, La Bédollière's *La Mère Michel et son chat*, Erckmann-Chatrian's stories, Foa's *Contes biographiques* and *Le petit Robinson de Paris*, Foncin's *Le pays de France*, Labiche and Martin's *La poudre aux yeux* and *Le voyage de M. Perrichon*, Legouvé and Labiche's *La cigale chez les*

fourmis, Malot's *Sans famille*, Mairret's *La tâche du petit Pierre*, Mérimée's *Colomba*, extracts from Michelet, Sarcey's *Le siège de Paris*, and Verne's stories.

b The Intermediate Requirement

The Aim of the Instruction At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

The Work to be Done This should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; and writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's *Le gendre de M. Poirier*, Béranger's poems, Corneille's *Le Cid* and *Horace*, Coppée's poems, Daudet's *La Belle Nivernaise*, La Brète's *Mon oncle et mon curé*, Madame de Sévigné's letters, Hugo's *Hernani* and *La chute*, Labiche's plays, Loti's *Pêcheur d'Islande*, Mignet's historical writings, Molière's *L'avare* and *Le bourgeois gentilhomme*, Racine's *Athalie*, *Andromaque*, and *Esther*, George Sand's plays and stories, Sandeau's *Mademoiselle de la Seiglière*, Scribe's plays, Thierry's *Récits des temps mérovingiens*, Thier's *L'expédition de Bonaparte en Égypte*, Vigny's *La canne de jonc*, and Voltaire's historical writings.

GERMAN

a The Elementary Requirement

The Aim of the Instruction At the end of the elementary course in German the pupil should be able to read at sight, and to translate, if called upon, by way of proving ability to read, a passage

of very easy dialogue or narrative prose, help being given upon unusual words and constructions, to put into German short English sentences taken from the language of every-day life or based upon the text given for translation, and to answer questions upon the rudiments of the grammar, as defined below.

The Work to be Done During the first year the work should comprise: (1) careful drill upon pronunciation; (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of every-day life, of adjectives, pronouns, weak verbs, and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the model auxiliaries, and the elementary rules of syntax and word-order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (5) the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

During the second year the work should comprise: (1) the reading of from 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations upon the matter read and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen's *Märchen* and *Bilderbuch ohne Bilder*, Arnold's *Fritz auf*

Ferien; Baumbach's *Die Nonna* and *Der Schwiegersohn*; Gerstäcker's *Germelshausen*; Heyse's *L'Arrabbiata*, *Das Mädchen von Treppi*, and *Anfang und Ende*; Hillern's *Höher als die Kirche*; Jensen's *Die braune Erica*; Leander's *Träumereien* and *Kleine Geschichten*; Seidel's *Märchen*; Stökl's *Unter dem Christbaum*; Storm's *Immensee* and *Geschichten aus der Tonne*; and Zschokke's *Der zerbrochene Krug*.

Good plays adapted to the elementary course are much harder to find than good stories. Five-act plays are too long. They require more time than it is advisable to devote to any one text. Among shorter plays the best available are perhaps Benedix's *Der Prozess*, *Der Weiberfeind*, and *Günstige Vorzeichen*; Elz's *Er ist nicht eifersüchtig*; Wichert's *An der Majorsecke*; and Wilhelm's *Einer muss heiraten*. It is recommended, however, that not more than one of these plays be read. The narrative style should predominate. A good selection of reading matter for the second year would be Andersen's *Märchen*, or *Bilderbuch*, or Leander's *Träumereien*, to the extent of, say, forty pages. After that such a story as *Das kalte Herz*; or *Der zerbrochene Krug*; then, *Höher als die Kirche*, or *Immensee*; next, a good story by Heyse, Baumbach, or Seidel; and, lastly, *Der Prozess*.

b The Intermediate Requirement

The Aim of the Instruction At the end of the intermediate course the pupil should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation, and to translate and explain (so far as explanation may be necessary) a passage of classical literature taken from some text previously studied.

The Work to be Done The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and

poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation.

The intermediate course is supposed to be the elementary course, plus one year's work at the rate of not less than four recitations a week. Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach's *Die Freiherren von Gemperlein*; Freytag's *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*—for example, *Karl der Grosse*, *Aus den Kreuzzügen*, *Doktor Luther*, *Aus dem Staat Friedrichs des Grossen*; Fouqué's *Undine*; Gerstäcker's *Irrfahrten*; Goethe's *Hermann und Dorothea* and *Iphigenie*; Heine's poems and *Reisebilder*; Hoffmann's *Historische Erzählungen*; Lessing's *Minna von Barnhelm*; Meyer's *Gustav Adolf's Page*; Moser's *Der Bibliothekar*; Riehl's *Novellen*—for example, *Burg Neideck*, *Der Fluch der Schönheit*, *Der Stumme Ratsherr*, *Das Spielmannskind*; Rosegger's *Waldheimat*; Schiller's *Der Neffe als Onkel*, *Der Geisterseher*, *Wilhelm Tell*, *Die Jungfrau von Orleans*, *Das Lied von der Glocke*, *Balladen*; Scheffel's *Der Trompeter von Säckingen*; Uhland's poems; and Wildenbruch's *Das edle Blut*.

GREEK

- a
 - i Greek Grammar
 - ii Greek Composition Translation into Greek of sentences based upon Xenophon's *Anabasis*, Books I and II
- b Xenophon *Anabasis*, Books I-IV
- c Homer *Iliad*, Books I-III (omitting II, 494-end), and the Homeric constructions, forms, and prosody
- g Translation at sight of prose of no greater difficulty than Xenophon's *Anabasis*

HISTORY

- a* Ancient History, comprising Greek history to the death of Alexander, and Roman to the death of Constantine Oman's, Botsford's, and Myer's Histories of Greece, and Botsford's and Myer's Histories of Rome are recommended. The related geography is also included.

Ancient History, as defined by the College Entrance Examination Board, extending to 814 A. D., will be accepted as an equivalent.

- b* Mediaeval and Modern History, from the death of Charlemagne to the present time As text-books, West's *Modern History* and Harding's *Essentials of Mediaeval and Modern History* are recommended. Collateral reading and historical geography should form a part of the work in this subject.

The requirement for History *b*, as outlined by the College Entrance Examination Board, will be accepted.

- c* English History, as defined by the College Entrance Examination Board Walker's *Essentials in English History*, Cheyney's *Short History of England*, and Andrew's *History of England*, are recommended.

- d* American History Hart's *Essentials in American History*, Adams and Trent's *History of the United States*, Channing's *Students' History of the United States*, and McLaughlin's *History of the American Nation* are recommended.

LATIN

NOTE:—In 1911 examinations will be set in both the old and the new requirements. After 1911 the old requirements will be withdrawn.

NEW REQUIREMENTS

The following requirements in Latin are in accordance with the recommendations made by the Commission on College Entrance Requirements in Latin, October, 1909.

I AMOUNT AND RANGE OF THE READING REQUIRED

(1) The Latin reading, without regard to the prescription of particular authors and works, shall

be not less *in amount* than Caesar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Aeneid, I-VI.

(2) The amount of reading specified above shall be selected by the schools from the following authors and works: Caesar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters and De Senectute and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Aeneid) and Ovid (Metamorphoses, Fasti, and Tristia).

II SCOPE OF THE EXAMINATIONS

(1) *Translation at Sight* Candidates will be examined in translation at sight of both prose and verse. In vocabulary, constructions, and range of ideas, the passages set will be suited to the preparation secured by the reading indicated above.

(2) *Prescribed Reading* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Aeneid, I, II, and either IV or VI, at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight: and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

(3) *Grammar and Composition* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose.

SUGGESTIONS CONCERNING PREPARATION

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure

correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded, and from the form and the position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphor. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

SUBJECTS FOR EXAMINATION

NR 1 GRAMMAR The examination will presuppose the reading of the required amount of prose (see I, 1 and 2), including the prose works prescribed (see II, 2).

NR 2 ELEMENTARY COMPOSITION The examination will presuppose the reading of the required

amount of prose (see I, 1 and 2), including the prose works prescribed (see II, 2).

NR 4 CICERO (orations for the Manilian Law and for Archias) and SIGHT TRANSLATION OF PROSE

NR 5 VERGIL (*Aeneid*, I, II, and either IV or VI, at the option of the candidate), and SIGHT TRANSLATION OF POETRY

OLD REQUIREMENTS

- a, i Latin Grammar
 - ii Latin Composition Translation into Latin of English passages based upon Cæsar and Cicero
- b Cæsar *Galic War*, Books I-IV
- c Cicero Six Orations
- dq Vergil *Aeneid*, Books I-VI, and so much prosody as relates to accent, versification in general, and dactylic hexameter; and translation at sight of poetry of no greater difficulty than Vergil's *Aeneid*
- m Translation at sight of prose of no greater difficulty than the easier portions of Cicero's orations

MATHEMATICS

- a Elementary Algebra—Algebra to Quadratics and Beyond
- a, i Algebra to Quadratics
 - The four fundamental operations for rational algebraic expressions
 - Factoring, determination of highest common factor and lowest common multiple by factoring
 - Fractions, including complex fractions, and ratio and proportion
 - Linear equations, both numerical and literal, containing one or more unknown quantities
 - Problems depending on linear equations
 - Radicals, including the extraction of the square root of polynomials and of numbers
 - Exponents, including the fractional and negative
- a, ii Quadratics and Beyond
 - Quadratic equations, both numerical and literal
 - Simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations
 - Problems depending on quadratic equations

The binomial theorem for positive integral exponents

The formulas for the n th term and the sum of the terms of arithmetical and geometric progressions, with applications

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected

b Advanced Algebra

Permutations and combinations, limited to simple cases

Complex numbers, with graphical representation of sums and differences

Determinants, chiefly of the second, third, and fourth orders, including the use of minors and the solution of linear equations

Numerical equations of higher degree, and so much of the theory of equations, with graphical methods, as is necessary for their treatment, including Descartes's rule of signs and Horner's method, but not Sturm's functions or multiple roots

c Plane Geometry The usual theorems and constructions of good textbooks, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle

The solution of numerous original exercises, including loci problems

Applications to the mensuration of lines and plane surfaces

d Solid Geometry

The usual theorems and constructions of good textbooks, including the relations of plans and lines in space; the properties and measurement of prisms, cylinders, and cones; the sphere and the spherical triangle

The solution of numerous original exercises, including loci problems

Applications to the mensuration of surfaces and solids

f Plane Trigonometry

Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles

Proofs of principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas

Solution of trigonometric equations of a simple character

Theory and use of logarithms (without the introduction of work involving infinite series)

The solution of right and oblique triangles and practical applications

Mathematics *b*, *d*, and *f* above comprise the work of the college course, *Mathematics I*.

PHYSICS

A course of study dealing with the elementary facts and principles of physics and with the applications of physical laws to the experiences of everyday life. The course of instruction should include:

i The study of a standard text-book, or equivalent work by lectures; this study should be illustrated by qualitative lecture-room experiments and should be accompanied by practice in the solution of numerical problems.

ii Individual quantitative laboratory work by the pupil, consisting of at least 30 experiments well distributed through the various divisions of the subject, and similar in character to those found in the list suggested by the College Entrance Examination Board. This work should require at least 30 double periods of the school program.

It is expected that the course will occupy in lectures, recitations, and laboratory work, at least five hours per week for an entire year.

Each candidate must present his laboratory note-book at the time of and as part of the examination. This note-book must contain the pupil's own record of the various operations and results of the laboratory exercises and the book must bear the endorsement of his teacher, certifying that the notes are a true record of work actually performed by the pupil.

The Physics examination of the College Entrance Examination Board may be offered in place of the *written* examination in admission Physics offered at the college in September. In every case the laboratory note-book must be presented at the college, at or before the time of the September examination.

ASSIGNMENT OF UNITS

In the terms of the scale of values adopted by the College Entrance Examination Board, where the unit represents one year's work in a secondary school, with four or five periods per week, the admission subjects listed above have weights assigned as follows:

Botany	1 unit
Chemistry	1 "
English <i>a</i>	2 units
English <i>b</i>	1 unit
French <i>a</i>	2 units
French <i>b</i>	1 unit
German <i>a</i>	2 units
German <i>b</i>	1 unit
Greek <i>a</i>	1 "
Greek <i>b</i>	1 "
Greek <i>c</i>	1 "
History <i>a</i>	1 "
History <i>b</i>	1 "
History <i>c</i>	1 "
History <i>d</i>	1 "
Latin NR 1	1 "
Latin NR 2	1 "
Latin NR 4	1 "
Latin NR 5	1 "
Latin <i>a</i>	1 "

Latin <i>b</i>	I unit
Latin <i>c</i>	I "
Latin <i>dq</i>	I "
Mathematics <i>a i</i>	I "
Mathematics <i>a ii</i>	$\frac{1}{2}$ "
Mathematics <i>b</i>	$\frac{1}{2}$ "
Mathematics <i>c</i>	I "
Mathematics <i>d</i>	$\frac{1}{2}$ "
Mathematics <i>f</i>	$\frac{1}{2}$ "
Physics	I "
Zoölogy	I "

ARRANGEMENT OF EXAMINATIONS FOR ADMISSION

Examinations for admission are held twice each year, in June and in September.

In June the entrance examinations of the college are those of the College Entrance Examination Board, of which Williams College is a member. An application for the privilege of taking these examinations must be made to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., from whom all necessary information regarding the June examinations can be obtained. These examinations are held annually in June at a large number of widely distributed points, including Williamstown.

In June, 1911, the entrance examinations of the College Entrance Examination Board will be held June 19-24.

All applications for examination must be addressed to the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., and must be made on a blank form to be obtained from the Secretary of the Board.

Applications for examination at points in the United States east of the Mississippi River (also at Minneapolis, St. Louis, and other points on the Mississippi River) must be received by the Board at least two weeks in advance of the examinations, that is, on or before Monday, June 5, 1911. Applications for examination elsewhere in the United States or in Canada must be received at least three weeks in advance of the examinations, that is, on or before Monday, May 29, 1911. Applications for examination outside of the United

States and Canada must be received at least five weeks in advance of the examinations, that is, on or before Monday, May 15, 1911.

Applications received later than the dates named will be accepted when it is possible to arrange for the examination of the candidates concerned, but only upon payment of \$5.00 in addition to the usual examination fee.

The examination fee is \$5.00 for all candidates examined at points in the United States and Canada and \$15.00 for all candidates examined outside of the United States and Canada. The fee (which cannot be accepted in advance of the application) should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

A list of the places at which examinations are to be held by the Board will be published about March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be sent to the Secretary of the Board not later than February 1.

The marks given by the Board to the papers submitted will be accepted by the college on the same terms as the results of the examinations conducted by the college in September. Candidates for admission to Williams College should forward the results of their examinations, as soon as they are received from the Board, to the Chairman of the Committee on Admissions, Williamstown, Mass.

The custom of sending examination papers from the college in June to preparatory schools for the use of candidates preferring to take the Williams College examinations there has been discontinued.

In September the entrance examinations are given only by the college and do not include the subjects Botany and Zoölogy. They will be held for the next college year in rooms 6 and 10, Hopkins Hall, on the Friday, Saturday, Monday, Tuesday, and Wednesday before the beginning of the first semester, September 15-20, 1911, as follows:

FRIDAY

8 A.M.—French *a*

2 P.M.—German *a*

SATURDAY

8 A.M.—*French *b*2 P.M.—*German *b*

MONDAY

8 A.M.—English *a* and *b*10.30 A.M.—History *a*2 P.M.—Greek *a*, *b*, *c*, and *g*

TUESDAY

8 A.M.—Latin NR 1, NR 2, NR 4, and NR 5 and
Latin *a*, *b*, *c*, *dq*, and *m*2 P.M.—Mathematics, *a*, *b*, *c*, *d*, and *f*

WEDNESDAY

8 A.M.—Chemistry, History *b*, History *c*, History *d*

2 P.M.—Physics

Examinations in Botany and Zoölogy are offered in June only.

The passing mark is fifty in all final entrance examinations, and sixty or seventy-five, as explained below, in preliminary examinations.

Certificates showing that candidates have passed the entrance examinations of another college or university in subjects required for admission to Williams College will ordinarily be accepted as valid, for the subjects which they cover, on the same terms and conditions as the results of the regular Williams College admission examinations. But the examinations of the September in which the candidate seeks admission may not be taken elsewhere than at Williams College.

PRELIMINARY EXAMINATIONS

Preliminary examinations in any of the requirements for admission may be taken a year in advance; but, in accordance with the rules of the College Entrance Examination Board, the candidates for such examinations in June must

*Candidates for admission are required to gain credit in French *a* or German *a* before trying French *b* or German *b* respectively in September.

submit in advance from the principals of their schools certificates specifying that their teachers consider them prepared in the subjects selected; while candidates for preliminary examinations in September must submit also satisfactory evidence that they have made a thorough review during the summer. Blank forms for use in submitting evidence of fitness for preliminary examinations in September may be obtained from the Chairman of the Committee on Admissions. Such a form, properly filled out, should be submitted by every candidate not later than one week before the beginning of the September examinations.

The examination will cover the whole of each subject offered by the candidate; for example, Greek *b*, Latin *c*, or Mathematics *c* cannot be divided between the preliminary and the final examinations.

In order to prevent an interruption to studies which are to be continued in college, candidates are expected to reserve the following subjects for the final examinations: English *b*, Greek *c*, Latin *c* or *d*, and Mathematics *a*, *ii* or *c* (or Mathematics *b*, *d*, and *f*, if the admission group is IV or V). The mark required for gaining preliminary credit in these subjects is seventy-five; the passing mark for preliminary credit in all other admission subjects is sixty.

Credit for the preliminary examination will be valid for a year only, unless the examination has been passed in a specially creditable manner; and all credit may be refused unless the applicant pass in a substantial part of the subjects offered.

The times and places of the preliminary examinations, as well as the questions submitted, are the same as for the regular final examinations.

ADMISSION BY CERTIFICATE

Under certain conditions specified below, certificates made out on prescribed forms and signed by the principals of

preparatory schools are accepted in place of examinations in Botany, English, Greek, History, Latin, Mathematics *a*, Mathematics *c*, and Zoölogy. Certificates will in no case be accepted for Chemistry, French *a* or *b*, German *a* or *b*, Mathematics *b*, *d*, or *f*, or Physics, or for the anticipation of any course of study offered in college.

No certificate in Mathematics *a* will be accepted unless accompanied by a statement that at least fifty regular recitation exercises have been devoted to a review of Mathematics *a* or to Mathematics *b* or Mathematics *f* during the last preparatory school year.

The certificates of the schools approved by the New England College Entrance Certificate Board are accepted, in accordance with the regulations of the college and subject to the rules of the Board, for admission to Williams College. Certificates are not accepted from any schools in New England which lack the approval of that Board. Principals of schools in New England who desire the certificate privilege should address the Secretary of the Board, Professor Nathaniel F. Davis, LL.D., 159 Brown St., Providence, R. I. Applications for approval must be received by the Secretary before April 1st in order to be approved for the next college year.

Application for the certificate privilege for schools outside New England should be made by the principal on a blank provided for the purpose by the Chairman of the Committee on Admissions.

These applications will ordinarily be granted if the school has at least one candidate already nearly prepared for admission to Williams College and if the Faculty of the college has such information concerning the work of the school as seems to it to warrant. In general, a school which has recently sent properly trained students by examination is considered entitled, on application, to receive the certificate privilege and to retain it as long as there is no radical

change in the management of the school; but any school will be dropped from the approved list whenever for a period of five years it has sent no students to the college.

The certificate privilege is not granted to private tutors and it is not to be used for any work done with private tutors, but only for work done regularly in the school whose principal signs the certificate.

The certificate privilege is revocable in all cases when, in the opinion of the Faculty of the college, it is not properly exercised.

Certificates must be made out on blank forms furnished by the Chairman of the Committee on Admissions, and in accordance with the instructions contained therein. These certificates must contain an explicit statement of the work done by the candidates and the time devoted to it. If the certificate covers less than two-thirds of the total of the certificate subjects for admission in the Group in which the candidate proposes to enter, the certificate will not be accepted. If the time devoted to a given subject seems inadequate, the certificate may be rejected for the subject in which such deficiency appears, though it may remain valid for other subjects. In such cases an examination upon the subjects involved will be required. For slight deficiencies conditions may be imposed.

A student who has failed to pass the admission examinations in September at this or any other college will not be admitted by certificate unless he has had, since such failure, at least a year of study in the school whose principal issues the certificate.

Freshmen who have entered by certificate and have subsequently been dismissed for failure in their studies may re-enter with the next class only on passing the entrance examinations. Certificates will not be accepted in such cases. Students thus dismissed may be excused from examination in certain subjects for re-admission, if, in the judg-

ment of the Committee on Admissions, their records warrant such exemption.

When a year or more has passed between the completion of the work for which the certificate vouches and the time for the student to enter college, satisfactory evidence that he has kept up his studies in the interval is required.

Certificates must be signed by the principal of the school (or some one duly qualified to act in his stead) and are to be sent to the chairman of the Committee on Admissions before July 15th, so far as is practicable, but not in advance of the actual completion of the work for which they vouch. All certificates should be submitted at least as early as the first of September.

Blank certificates will be sent to the principal of any approved school on request, but they are not sent to other persons.

The credits gained at the examinations of the Board of Regents of the State of New York are accepted for admission purposes on the same terms as the certificates of approved schools.

All correspondence in matters of admission should be addressed to the Chairman of the Committee on Admissions.

ANTICIPATION OF COLLEGE COURSES

I *Subjects in the admission Groups*

Any college course included in the admission Groups of pages 29, 30 of this catalogue, and the courses announced as *Chemistry 1* and *Physics 1*, will be counted towards a degree, if offered in addition to the subjects required in the chosen Group. The examinations in such additional sub-

jects are the regular examinations for admission and are to be taken at the appointed times in June and September. Students will not be required after entrance to substitute other courses in place of those anticipated, provided only that the number of hours of classroom work per week is never less than twelve.

In Chemistry such a laboratory note-book as is described in the announcements of the College Entrance Examination Board is demanded by the college as evidence of the candidate's qualification for the admission examination in that subject.

The college courses which may be anticipated thus by passing the corresponding admission examination in June or September are the following:—*Chemistry 1, French 1, French 2, German 1, German 2, Mathematics 1, and Physics 1.*

II *Subjects not in the admission Groups*

Any student may be allowed, by special vote of the Faculty, to anticipate by examination a course of study not included among those mentioned in the above paragraph, if he gives evidence of having had satisfactory instruction in the subject in some school or college. In such anticipatory examinations, a grade as high as B is required.

GRADUATION IN THREE YEARS

A student who is able to anticipate at admission, in accordance with the above rules, two college courses, may, by taking nineteen hours for two years, and eighteen hours for the third year, complete the requirement for graduation in three years; but the Faculty will decline to permit a student to undertake this unless his general scholarship is of high character.

ADMISSION TO ADVANCED STANDING

Students who come from other colleges and who bring certificates of honorable dismissal may, upon proof of their qualifications, be admitted to a corresponding standing in this college.

All correspondence in matters of admission to college should be addressed to the Chairman of the Committee on Admissions.

CURRICULUM

THE GROUP SYSTEM

The fundamental principle of the curriculum is that of the Group System, which comes into operation at the close of the Freshman year. This Group System presents the following features:—

There are three groups, I Languages, II Philosophy (including Art, Economics, Government, and History), and III Sciences (including Mathematics).

After Freshman year and under the operation of the Group System, all courses are elective.

Although no specific courses are required after Freshman year, every student must have completed after that time and before graduation at least 12 semester-hours* in each one of the three groups.

Every student must have completed, after Freshman year and before graduation, a major study. By a major study is meant a special, cumulative study of fundamental and advanced courses, amounting to at least 15 semester-hours in some one of the following subjects:—

1 Greek; 2 Latin; 3 English; 4 French; 5 German; 6 Philosophy; 7 History; 8 History and Art; 9 Economics; 10 Economics and Government; 11 Mathematics; 12 Mathematics and Astronomy; 13 Chemistry; 14 Chemistry and Geology; 15 Physics; 16 Biology.

Students in the course with Greek (Admission Group I) must have completed after Freshman year and before graduation at least 6 semester-hours of Greek or Latin.

*[NOTE—A semester-hour, or half-year-hour, is one hour a week, continued for a semester. A year-hour is one hour a week continued for a year. Twelve semester-hours are therefore equivalent to four three-hour-a-week courses carried through a semester, or to two three-hour-a-week courses carried through a year.]

Elementary French or Elementary German must either be presented at entrance in addition to the entrance subjects required, or else be taken as an extra course after entrance. The number of year-hours required for a degree will be 59 for those fulfilling this requirement at entrance and 62 for those who take the course in college. A second year is required of the language presented at entrance or begun in the Freshman year. (*Cf.* page 60.)

At least 32 semester-hours of Sophomore work (the equivalent of four four-hour year courses) must be taken before graduation. (*Cf.* page 61.)

The number of semester-hours required for graduation is 118 (59 year-hours); or 124 (62 year-hours) for those who do not present one year of a modern language at entrance in addition to the subjects *required* by their admission Group (see pp. 29, 30); but every student, in order to be graduated, must have attained a grade above that of D in at least one-half the number of hours required for graduation; and all courses regularly taken in the Senior year must be passed, even though they may not be necessary for completing the number of hours indicated above.

EXHIBIT OF STUDIES

The following exhibit of studies indicates the courses of instruction that are offered to each class. The studies of the Freshman year are prescribed, except that there is an option between French and German for students in Group I. Students in Groups II and IV must have completed before graduation the work covered by Courses 1, 2, and 3 or 4 in French, and Courses 1 and 2 in German; those in Groups III and V must have completed before graduation the work covered by Courses 1 and 2 in French, and Courses 1, 2, and 3 or 4 in German; those in Group I must have completed the second year's work in one of these languages. The groups are arranged according to the different terms of admission stated on pp. 29, 30. The unclosed figures refer to the courses of instruction as announced by the departments in the catalogue and the figures in parenthesis indicate the number of exercises per week in each course.

FRESHMAN YEAR—REQUIRED COURSES

ADMISSION GROUP	ADMISSION GROUP	ADMISSION GROUP	ADMISSION GROUP
I	II	III	IV
English 1 (2)	English 1 (2)	English 1 (2)	English 1 (2)
French 2 or } (3)	French 3 or 4 (4)	French 2 (3)	French 2 (4)
German 2 } (3)	German 2 (3)	German 3 or 4 (4)	German 2 (3)
Greek 1 (4)	Latin 1 (3)	Latin 1 (3)	Latin 1 (3)
Latin 1 (3)	Mathematics 1 (4)	Mathematics 1 (4)	Mathematics 2 (4)
Mathematics 1 (4)			
16	16	16	16
Hygiene and Physical Training Public Speaking	Hygiene and Physical Training Public Speaking	Hygiene and Physical Training Public Speaking	Hygiene and Physical Training Public Speaking

NOTE.—Freshmen in Group I who offer neither French 1 nor German 1 at entrance will take one of those courses instead of French 2 or German 2. Similarly, those in Groups II and IV who do not offer German 1 at entrance will take that course instead of German 2; and those in Groups III and V who do not offer French 1 at entrance will take that course instead of French 2.

SOPHOMORE YEAR

At least 32 semester-hours must be taken before graduation from the so-called Sophomore courses. In this list no modern language course is to be counted for Sophomore hours by students of Group I unless it is taken in addition to the requirements of that Group as stated in the first paragraph of page 60. Similarly, for students in the other Groups, with the exception that *French* 3 or 4 is to be counted as a Sophomore course in Group IV and *German* 3 or 4 likewise in Group V. The entire list is as follows:

YEAR COURSES

French 1	(3)
†French 3 or 4	(3 or 4)
German 1	(3)
†German 3 or 4	(4)
Greek 2	(3 or 4)
Latin 2	(4)
Mathematics 2	(4)
(Mathematics 3 for Groups IV and V)	(3)

SEMESTER COURSES

FIRST SEMESTER		SECOND SEMESTER	
Chemistry 1	(4)	Biology 1	(4)
English 2	(4)	Chemistry 2	(5)
History 1	(4)	English 3	(4)
Physics 1	(4)	History 2	(4)
		Physics 2	(5)

JUNIOR AND SENIOR YEARS

All courses in these years are elective, subject to the regulations governing the Group System as given above.

†French 3 and German 3 are given in alternate years with French 4 and German 4 respectively.

CONSPECTUS OF COURSES FOR THE COLLEGE YEAR

1910—1911

ARRANGED ACCORDING TO THE THREE GENERAL GROUPS

Courses marked with one asterisk are offered for the first semester only; those marked with two asterisks are offered for the second semester only. Three exercises a week are held in all courses except where otherwise indicated in parenthesis after the name of the course; a numeral in parenthesis indicates the number of exercises per week.

I	II	III
LANGUAGES	PHILOSOPHY	SCIENCES
English 1 (2)	*Art 1	*Astronomy 1
*English 2 (4)	**Art 2	**Biology 1 (4)
**English 3 (4)	*Art 3	Biology 2
*English 5 (4)	**Art 4	Biology 3
**English 6	Economics 1	*Botany 1
**English 7 (4)	*Economics 2	**Botany 2
English 8	**Economics 3	*Chemistry 1 (4)
**English 9	*Economics 4	**Chemistry 2 (5)
**English 10	**Economics 5	*Chemistry 3
*English 11	*Government 1	**Chemistry 4
*English 12	**Government 2	*Chemistry 5
**English 13	**Government 3	**Chemistry 6
*English 14	*Government 4	*Geology 1
French 1	**Government 5	**Geology 2
French 2	*History 1 (4)	*Geology 3
French 3 (4)	**History 2 (4)	**Geology 4
French 3A	*History 3	**Geology 5
French 3B	History 4	Mathematics 1 (4)
German 1	History 5	Mathematics 2 (4)
German 2 (3 or 4)	*History 6	Mathematics 3
German 4A (4)	**History 7	*Mathematics 4
German 4B (4)	**History 9	**Mathematics 5
German 6	*Philosophy 1	*Mathematics 6
Greek 1 (4)	*Philosophy 3	**Mathematics 7
Greek 2 (3 or 4)	*Philosophy 4	*Meteorology
*Greek 3	*Philosophy 5	*Physics 1 (4)
**Greek 4	**Philosophy 6	**Physics 2 (5)
*Greek 6	**Philosophy 7	Physics 3
**Greek 7	**Philosophy 8	*Physics 4
Latin 1	**Philosophy 9	**Physics 5
Latin 2 (4)		*Physiology 1
*Latin 3		**Physiology 2
**Latin 4		
*Latin 5		
**Latin 6 (3 or 4)		
*Oratory 1		
**Oratory 2		
Spanish		

Also Hygiene, Physical Training, and Public Speaking

All college exercises are held according to the following schedule:

GROUPS OF HOURS

ARRANGED ACCORDING TO TIME:

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
8:00	g	D,d	D,d	A,a	A,g	A,a
9:00	h	E,e	E,e	B,b	B,h	B,b
10:00	j	F,f	F,f	C,c	C,i	C,c
11:00	k	l	i	j	k	l
1:00	A,a	A,g	j	D	D,d	
2:00	B,b	B,h	k	E	E,e	
3:00	C,c	C,i	l	F	F,f	

ARRANGED ACCORDING TO LETTERS:

Group A	M. Tu. 1:00-2:00, Th. F. S. 8:00-9:00	Group d	Tu. W. 8:00-9:00, F. 1:00-2:00
Group B	M. Tu. 2:00-3:00, Th. F. S. 9:00-10:00	Group e	Tu. W. 9:00-10:00, F. 2:00-3:00
Group C	M. Tu. 3:00-4:00, Th. F. S. 10:00-11:00	Group f	Tu. W. 10:00-11:00, F. 3:00-4:00
Group D	Tu. W. 8:00-9:00, Th. F. 1:00-2:00	Group g	M. F. 8:00-9:00, Tu. 1:00-2:00
Group E	Tu. W. 9:00-10:00, Th. F. 2:00-3:00	Group h	M. F. 9:00-10:00, Tu. 2:00-3:00
Group F	Tu. W. 10:00-11:00, Th. F. 3:00-4:00	Group i	Tu. 3:00-4:00, W. 11:00-12:00, F. 10:00-11:00
Group a	M. 1:00-2:00, Th. S. 8:00-9:00	Group j	M. 10:00-11:00, W. 1:00-2:00, Th. 11:00-12:00
Group b	M. 2:00-3:00, Th. S. 9:00-10:00	Group k	M. F. 11:00-12:00, W. 2:00-3:00
Group c	M. 3:00-4:00, Th. S. 10:00-11:00	Group l	Tu. S. 11:00-12:00, W. 3:00-4:00

The groups of no two small letters conflict, and the groups of no two large letters conflict.

Group a conflicts with group A, group b conflicts with group B, etc.

Group g conflicts with group A, group h with B, and group i with C.

NOTE:—Between the Thanksgiving recess and the Easter recess, the hours of all exercises will be regularly one-half hour later than the schedule indicates.

COURSES OF INSTRUCTION*

LANGUAGES

ENGLISH

Professor MAXCY, Assistant Professor PERRY, Mr. ALLEN,
Dr. DUTTON, and Mr. SNOW

English 1 Rhetoric and Composition The work of the year is devoted mainly to the essentials of Good Use. The text book (Baldwin's *English Composition, Oral and Written*) is supplemented by theme writing on assigned topics, and all written exercises receive extended criticism. A considerable amount of outside reading is also required as the basis of written work in class. During the year the class reads the greater part of Macaulay's essays.

Freshman required course

Two hours a week through the year

Professor MAXCY, Mr. ALLEN, Dr. DUTTON, and Mr. SNOW

**English 2 Narration* This course is devoted to narrative writing. The elements of narration are discussed in turn: setting, character, plot, etc., and the various forms of narrative composition; paragraph items, the short story, biography, history, etc. In connection with these topics the class studies a number of literary masterpieces. During the current year Prescott's *Conquest of Peru*, the *Biography of Alice Freeman Palmer*, Trollope's *Barchester Towers*, and about fifty specimens of the short story are among the selections assigned. The class is also required to present original exercises in narrative composition: at least two short stories of the length usually found in magazines, and many briefer exercises such as character sketches, biographic summaries, studies in setting, character, etc.

Sophomore elective course; *English 1* prerequisite

Four hours a week during the first semester

Professor MAXCY, Mr. ALLEN, and Dr. DUTTON

*[NOTE.—In what follows concerning Courses of Instruction, if the name of a course is preceded by one asterisk, the course is a first semester course; if the name of a course is preceded by two asterisks, the course is a second semester course; if the name of a course is preceded by no asterisks, the course is a full year course.]

****English 3 English Literature** This course is two-fold, embracing not only an historical survey of English literature from the earliest times to the present day, but also a wide range of outside readings so arranged as to accompany the text-book and lectures. Examinations are held on each assignment. In addition to the assigned readings, the course embraces the presentation to the class of a wide selection of classic prose and poetic masterpieces. The work is arranged with the view to laying a broad foundation for the English electives taken up later.

The text-book work conforms in general to the matter contained in Moody and Lovett's *History of English Literature*.

Sophomore elective course

Four hours a week during the second semester

Dr. DUTTON and Mr. SNOW

[*English 4 Anglo-Saxon An elementary study of Anglo-Saxon, accompanied by lectures on the principles involved in the development of the English language. Smith's *Old English Grammar* and Bright's *Anglo-Saxon Reader* are used as text-books.

Senior and Junior elective course

Three hours a week during the first semester

Not given, 1910-1911

Mr. SNOW]

***English 5 Argumentation** This course is devoted to the study of argumentative composition; its purpose is to train the student in logical and systematic methods of thought.

The main divisions of the course are: (a) correct phrasing of propositions suitable for discussion; (b) the analysis of propositions; (c) the study of evidence; (d) inductive and deductive methods; (e) generalization and analysis; (f) causal relations; (g) fallacies; (h) methods of refutation; (i) construction of briefs; (j) rhetorical qualities of the forensic; (k) persuasion; (l) argumentative principles as applied to debate.

In connection with the study of argumentative theory, each student is trained in the practice of argumentative composition by the writing of briefs, forensics, and various argumentative themes and exercises. As in *English 1* and *English 2*, the work of each student is subjected to extended criticism.

The text-book is Foster's *Argumentation and Debating*, and this is supplemented by various texts of argumentative masterpieces.

Senior and Junior elective course

Four hours a week during the first semester

Professor MAXCY

****English 6 *Chaucer and Middle English*** A brief consideration of Middle English grammar is followed by the careful reading of all of Chaucer's important writings, particularly the *Canterbury Tales* and *Troilus and Criseyde*. Attention is given to the life and times of Chaucer. Selections from a few other fourteenth century authors are read rapidly.

Senior and Junior elective course

Three hours a week during the second semester

Dr. DUTTON

****English 7 *The History and Development of the English Novel*** This course alternates with *English 15*.

Senior and Junior elective course, open to those who have taken or who are taking *English 3*

Four hours a week during the second semester

Professor MAXCY

English 8 *The Elizabethan Drama* A study of the Elizabethan drama which includes study from the Miracle Plays to the closing of the theatres. A critical and appreciative study of Shakespeare's plays with particular emphasis upon Shakespeare as a dramatic artist. *Shakespeare and his Predecessors* by Boas is used as a general text-book.

Senior elective course

Three hours a week through the year

Assistant Professor PERRY

****English 9 *English Literature of the Eighteenth Century*** Lectures will be given on the progress and interpretation of English literature during the period. Readings and critical essays are required.

Senior elective course

Three hours a week during the second semester

Mr. SNOW

****English 10 *English Poets of the Nineteenth Century*** This course consists of lectures, biographical and critical, together with assigned readings. It includes a study of Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, and other poets of the period.

Senior and Junior elective course

Three hours a week during the second semester

Assistant Professor PERRY

English 11 *English Prose Writers of the Nineteenth Century
A course in which the principal prose writers of this period are studied. A considerable amount of reading is assigned.

Senior elective course

Three hours a week during the first semester

Mr. SNOW

English 12 *American Literature A study of American literature, both prose and poetry. The first part of the course consists of lectures on the early colonial writers. Wendell and Greenough's *American Literature* is used as a text-book and a considerable amount of outside reading is required.

Senior and Junior elective course

Three hours a week during the first semester

Assistant Professor PERRY

****English 13 *The English Drama from 1642 to the present time***
Preliminary lectures are given upon the structure of the drama. The course includes the reading of representative plays from Congreve to Jones and Pinero.

Senior elective course; *English 3* prerequisite

Three hours a week during the second semester

Assistant Professor PERRY

English 14 *The English Bible In this course the growth, the literary characteristics, and the influence of the *English Bible* are considered.

Senior elective course

Three hours a week during the first semester

Mr. SNOW

[English 15**

This course is devoted to the study of critical composition. It includes in general the matter discussed in Winchester's *Principles of Literary Criticism*. The discussions are supplemented by extensive readings in the literature of criticism and by essays on critical topics chosen in connection with the readings.

This course alternates with *English 7*

Senior and junior elective course; *English 2* prerequisite

Three hours a week during the second semester

Omitted in 1910-1911

Professor MAXCY]

GERMAN

Professor WAHL, Assistant Professor KING, Dr. JOHNSON, Mr. HEWITT, and Mr. HILDRETH

German 1 Elementary German This is a course in grammar, composition, and the reading of narrative prose, and some lyrics. Oral use of the language is introduced gradually, and special attention is paid to pronunciation in the small sections into which the class is divided.

Optional with *French 1* for Freshmen in Group 1 who entered without a modern language Required of students in Groups II and IV who do not offer *German 1* for entrance, elective for all others

Three hours a week through the year

Assistant PROFESSOR KING, Dr. JOHNSON, Mr. HEWITT, and Mr. HILDRETH

German 2 Intermediate German In this course are read short stories, Schiller's *Jungfrau von Orleans*, and Lessing's *Minna von Barnhelm*. The course includes also grammar, composition and dictation. The oral use of the language is increased in connection with the texts read.

Required of students in Groups II, IV and V; elective for all others who have completed *German 1*

Three hours a week through the year; four hours for Freshmen in Group V who have completed *German 1*

Assistant Professor KING, Mr. HEWITT, and Mr. HILDRETH

[*German 3 Advanced German*

German 3A This is a course devoted to the rapid reading of the more important prose writers of the nineteenth century, special attention being given to the novel. It is conducted largely in German, and includes composition, dictation, collateral reading, and lectures in German.

This course alternates with *German 4A*.

Open to Sophomores, Juniors, and Seniors who have completed either *German 4B* or *German 4C*

Four hours a week through the year

German 3B This course is devoted to the study of the more recent German prose literature, especially the novel. Works of Storm, Keller, C. F. Meyer, Sudermann and others will be taken up. There will also be composition, dictation, and lectures in German. The course will be conducted in German as far as practicable.

This course alternates with *German 4B*.

Open to Sophomores, Juniors, and Seniors who have completed *German 2*

Four hours a week through the year

German 3C This course is devoted to the reading of works of Schiller and Lessing. It includes composition, dictation and lectures, and is conducted, as far as practicable, in German.

This course alternates with *German 4C*.

For Freshmen who entered with *German 2* to their credit

Four hours a week through the year

Omitted 1910-1911

German 4 Advanced German

German 4A A study of the drama from Kleist to Wildenbruch, with special emphasis upon the works of Grillparzer. It is conducted, as far as practicable, in German, and includes composition, collateral reading and lectures in German.

This course alternates with *German 3A*.

Open to Sophomores, Juniors, and Seniors who have completed either *German 3B* or *German 3C*

Four hours a week through the year

Professor WAHL and Assistant Professor KING

German 4B A course on the more modern German literature, especially the dramas of Wildenbruch, Sudermann, Hauptmann, and Fulda. It is conducted, as far as practicable, in German, and includes composition, dictation, and lectures in German on the literature of the period.

This course alternates with *German 3B*.

Open to Sophomores, Juniors, and Seniors who have completed *German 2*

Four hours a week through the year

Professor WAHL and Dr. JOHNSON

German 4C. This course is devoted to the reading of works of Schiller and Lessing. It includes also composition, dictation, and lectures, and is conducted, as far as practicable, in German.

This course alternates with *German 3C*.

For Freshmen who entered with *German 2* to their credit

Four hours a week through the year

Professor WAHL, Mr. HEWITT, and Mr. HILDRETH

[*German 5 Elective Advanced German*

In this course novels from Freytag's series of novels, *Die Ahnen*, Kleist's *Michael Kohlhaas*, Selections from Freytag's *Bilder aus der*

deutschen Vergangenheit, and other literature, illustrative of German life in the modern period of German history, will be read, and lectures in German will be given dealing with German civilization in modern times.

This course alternates with *German 6*.

Senior and Junior elective course; one of either *German 3* or *German 4* prerequisite

Three hours a week through the year

Omitted 1910-1911

Professor WAHL

German 6 Elective Advanced German This course is devoted to the reading of Goethe's *Faust* (Parts I and II) and other works of the poet, together with a study of his life and times. It is conducted, as far as practicable, in German, including lectures in German.

This course alternates with *German 5*.

Senior and Junior elective course; one of either *German 3* or *German 4* prerequisite

Three hours a week through the year

Professor WAHL

GREEK

Professor HOWE, Assistant Professor DICKERMAN, Assistant Professor GAILBRAITH, Mr. HACK, and Assistant Professor CLARK

Greek 1 Selections from *Herodotus* Attention is given to a review of Greek forms and syntax, with reference to Goodwin's *Greek Grammar*.

Lysias Special attention is given to the political and social allusions which abound in the orations of Lysias.

Homer Books V, VI, VII, and VIII of the *Odyssey* Some of the principal Homeric questions are discussed. The instructor gives to the class several readings from portions of the poem not prescribed for the daily work.

Required course for Freshmen in Group I

Four hours a week through the year

Professor HOWES, Assistant Professor DICKERMAN,
Assistant Professor GALBRAITH, and Mr. HACK

Greek 2 This course may be reckoned as a three-hour or a four-hour course, according as a student wishes or not to devote a fourth hour to New Testament Greek.

Plato and Xenophon Plato's *Apology* and *Crito* and selections from Xenophon's *Memorabilia* are read by the class. There is some discussion of the earlier Greek philosophy and of the philosophy of Plato.

Greek Drama *Aeschylus, Sophocles, Euripides, and Aristophanes*

The *Medea* of Euripides is read by the class chiefly from the literary point of view, and special attention is given to points of similarity and dissimilarity between the ancient and the modern drama. The instructor reads to the class the whole or portions of other plays, among which will be the *Prometheus*, *Antigone*, and *Alcestis*. The last part of the course is devoted to Greek comedy and to the reading of the *Birds* of Aristophanes. The instructor reads to the class portions of the *Clouds* and *Frogs*. The origin and development of the Greek drama and the subject of the Greek theatre are taken up by the instructor.

Those taking the four-hour course devote one hour a week to the *Acts of the Apostles*.

Sophomore elective course

Three (or four) hours a week through the year

Assistant Professor DICKERMAN and

Assistant Professor GALBRAITH

**Greek 3* While this course is largely a study in literature, history and archæology, and so designed to impart a general culture, the course is also intended to be helpful to those intending to teach, or to pursue graduate courses in the ancient languages.

For a part of the semester in place of one of the exercises the class does seminar work under the direction of the instructor.

The *Iliad* is read rapidly with special reference to its literary qualities, but critical interpretation is given to some portions of it.

Senior and Junior elective course, open to all who have completed *Greek 2*, and to others with the consent of the instructor

Three hours a week during the first semester

Professor HOWES

***Greek 4* The *Homeric Hymns*, the *Works and Days* of Hesiod, and some of the best of the *Elegiac*, *Iambic*, and *Melic* fragments are read.

Senior and Junior elective course, open to all who have completed *Greek 2*, and to others with the consent of the instructor

Three hours a week during the second semester

Professor HOWES and

Assistant Professor DICKERMAN

[**Greek 5 Greek Literature* Some of the masterpieces of Greek Literature are read, in translation, both in the class room and as assigned reading. The instructor gives a brief account of the lives of the authors whose works are read, and traces the origin and development of the various forms of literature. No knowledge of Greek is required.

Senior and Junior elective course

Three hours a week during the first semester

Omitted in 1910-1911

Professor HOWES]

**Greek 6 Life of the Ancient Greeks* Described and illustrated by the aid of literature and of the monuments. Informal lectures are given by the instructor, while members of the course report regularly the results of reading and investigation assigned to them.

Professor HOWES

***Greek 7 Greek History* The social, political, and military history of the Greek world, from the origins of the cities to the Roman conquest; a study of Greek democracies, especially at Athens, Syracuse, and Tarentum; of Alexander; and of the Hellenistic kingdoms; the federal unions; and the republic of Rhodes. Attention is given to the social and political theory of the Greeks.

Reading, lectures, quizzes, and written work

The required reading in this course is in English only, but consultation of the Greek sources is encouraged.

Special instruction is offered, if desired, to prospective teachers, or to any students wishing to attempt some original investigation, but the course aims primarily to trace for the general student the progress of Hellenic civilization with emphasis upon its abiding influences on later times.

Senior and Junior elective course; *Greek 1* prerequisite

Three hours a week during the second semester

Assistant Professor CLARK

LATIN

Professor WILD, Professor HOWES, Assistant Professor WETMORE,
Assistant Professor GALBRAITH, and Mr. HACK

Latin 1 Lily Book XXI and portions of Book XXII of *Livy* are read. The principles of Latin syntax are studied with the aim of connecting the first weeks of college instruction as closely as

possible with that received in the preparatory schools. There is frequent practice in reading at sight. The history of Rome during the Punic Wars, including assignments for collateral reading, is an important part of the course.

Selections from Latin Poets Cicero The work of the second semester includes selections from the Latin Poets, and the *De Senectute* of Cicero, with sight reading from the *De Amicitia*.

Mackail's *Latin Literature* is used throughout the year.

Freshman required course

Three hours a week through the year

Professor WILD, Professor HOWES, Assistant Professor WETMORE, Assistant Professor GALBRAITH, and Mr. HACK

Latin 2 Latin Comedy Roman Life The primary aim in this course is to trace the development of Latin Comedy, and to study its spirit as shown in the plays of Plautus and Terence. The *Captivi* and the *Trinummus* of Plautus, and the *Adelphoe* of Terence are read carefully, and other plays are read wholly or in part, either at sight or as translated by the instructor, e. g. the *Menaechmi* and the *Amphitruo* of Plautus, and the *Phormio* of Terence. The contrast between the literary styles of Plautus and Terence is emphasized.

One exercise a week is devoted to the study of Roman life and customs, with illustrations by means of lantern slides and other material.

The first semester

Professor WILD and Assistant Professor GALBRAITH

Tacitus Horace The reading work of the second semester is divided between the works of Tacitus and the *Odes* of Horace.

In connection with the latter some attention is paid to the English lyric, involving the preparation of careful translations from the Latin and a comparison of the better known English versions. The student is encouraged to commit some of the famous passages to memory.

The course in Tacitus includes the entire *Agricola* and the first twenty-seven chapters of the *Germania*. Passages from the *Annals* are read at sight and there is collateral reading in the history of the Empire. If possible several of Horace's *Satires* are read during this part of the course.

The second semester

Professor HOWES and Mr. HACK

Sophomore elective course; *Latin 1* prerequisite

Four hours a week through the year

Professor WILD, Professor HOWES, Assistant Professor GALBRAITH, and Mr. HACK

**Latin 3 Vergil* The object of this course is to give the student a thorough knowledge and a high appreciation of the works of Vergil. To this end the *Eclogues* and the first six books of the *Aeneid* are rapidly reviewed, while a series of lectures is being given on the life and times of Vergil, his motives, sources, art, and influence on the later literatures, as well as on his so-called minor poems included in the *Appendix Vergiliana* and the mediæval conception of Vergil.

About two-thirds of the semester is devoted to reading the *Georgics* and the last six books of the *Aeneid*. The technical parts of the *Georgics* are entirely omitted, only the poetical episodes being read. The last six books of the *Aeneid* are read, partly by the entire class in regular assignments, and partly by individual assignments and reading at sight.

Early in the course a large number of topics for original investigation and criticism in connection with the student's daily reading are suggested. Every man is expected to select one of these topics and prepare a paper to be read before the class at the end of the course.

There is considerable reading at sight, chiefly in prose authors.

Senior and Junior elective course, open to all who have completed *Latin 2*, and to others with the consent of the instructor

Three hours a week during the first semester

Assistant Professor WETMORE

***Latin 4 Catullus and Rapid Reading of Prose Authors* The greater part of Catullus is read. Passages from any source tending to throw light on the interpretation of the poet are read at sight.

About half of the course consists of the rapid reading of prose authors, including Sallust, Pliny the Younger, and Suetonius. The aim is to cultivate an appreciation of Latin literature and facility in grasping the thought immediately through the language.

Senior and Junior elective course, open to all who have completed *Latin 2*, and to others with the consent of the instructor

Three hours a week during the second semester

Professor WILD and Assistant Professor WETMORE

***Latin 5 Roman Satire** In this course the *Satura* as a distinctively Roman product is treated in such a way as to show its rise and development through the dramatic and invective forms to the narrative form of the novel. The *Satires* of Horace and Juvenal, and the *Cena Trimalchionis* of Petronius, together with the *Cupid and Psyche* myth of Apuleius, comprise the main subjects for reading. The parts played in the history of Roman Satire by Ennius, Lucilius, and Varro are illustrated by the fragments of their works as given in Merrill's *Fragments of Roman Satire*. Many of the Epigrams of Martial are read at sight.

Senior elective course, open to all who have completed *Latin 3* or *Latin 4*, and, with the consent of the instructor, to those who have completed *Latin 2*

Three hours a week during the first semester

Professor WILD

****Latin 6 A Brief Survey of Latin Literature** It is the aim of this course to give a general survey of Latin literature from the earliest period down to the third or fourth century A. D. The plan involves (1) a reading of selected portions of the most important authors, especially those not included in the other courses, and (2) informal lectures upon the rise and development of the various forms of literature, with such notice of the authors and their works as shall help to assign them their place in literature.

Senior elective course, open to all who have completed *Latin 3* or *Latin 4*, and, with the consent of the instructor, to those who have completed *Latin 2*

Three hours a week during the second semester

Professor HOWES

Latin Composition To those who intend to become teachers of Latin there is open in connection with *Latin 5* and *Latin 6* an additional course of one hour a week in advanced Latin composition.

Professor WILD

For *Roman History*, formerly *Latin 7*, see *History 9*.

PUBLIC SPEAKING AND ORATORY

Assistant Professor LEWIS

Public Speaking This course aims (1) to emphasize some of the fundamental principles of oral expression, and (2) to apply them to

the delivery of the individual. The class is divided into small sections, each of which meets once a week for ten weeks. Clark and Blanchard's *Practical Public Speaking* is used. The choice of speakers for the prize contest in declamation is based on this work.

Freshman required course

***Oratory 1** This course is intended to develop the delivery of the students. It includes (1) the practice of exercises for the development of the voice and body as expressive agents, and (2) practice in different forms of public speaking. The latter includes the rendering of original selections from memory, speaking from notes or outline, and impromptu speaking. A text-book is used.

Senior and Junior elective course

Three hours a week during the first semester

****Oratory 2** This is a continuation of *Oratory 1*. It will offer advanced work in both technique and delivery. The structure and style of the oration considered—also its different forms. Each student writes at least three manuscripts of not less than eight hundred words each. A text-book is used.

Senior and Junior elective course; *Oratory 1* prerequisite

Three hours a week during the second semester

There is offered during the winter, at hours to be announced, a course of training in voice and action, which is open to members of all classes. Extended drill is given in all cases to speakers who compete in prize contests, and to those who are to appear on the Commencement platform.

ROMANCE LANGUAGES

Assistant Professor WESTON, Mr. A. L. CRU, Mr. J. N. CRU, Mr. PERDRIAU, and Dr. RICE

FRENCH

French 1 *Elementary French* This course includes the study of grammar and composition and the reading of modern French. The class is arranged in small divisions so that each student may receive individual attention and adequate training in pronunciation and the use of conversational French. Special attention is given to dictation.

Optional with *German 1* for Freshmen in Group I who entered without a modern language Required of students in Groups III and V who do not offer *French 1* for entrance; elective for all others

Three hours a week through the year

Assistant Professor WESTON, Mr. A. L. CRU, Mr. J. N. CRU,
Mr. PERDRIAU, and Dr. RICE

French 2 Intermediate French This course continues all the work of *French 1*. Standard authors are read and the use of the spoken language is increased.

Required of students in Groups III, IV, and V; elective for all others who have completed *French 1*

Three hours a week through the year

Assistant Professor WESTON, Mr. A. L. CRU, Mr. J. N. CRU,
Mr. PERDRIAU, and Dr. RICE

French 3 Advanced French This course is devoted to the poetry and the drama of the first half of the nineteenth century, and includes reading, composition, and oral practice. The history of Romantic poetry and drama will be studied.

This course alternates with *French 4* and is open to those who have completed *French 2* or *French 4*. Required of Freshmen entering in Group II, elective for Seniors, Juniors, and Sophomores

The course is divided into three sections:

(1) *French 3* for Freshmen entering in Group II

Assistant Professor WESTON, Mr. A. L. CRU, and Mr. PERDRIAU

(2) *French 3A* conducted in French

Mr. J. N. CRU

(3) *French 3B* conducted in English

Assistant Professor WESTON

Three hours a week through the year; four hours a week for Freshmen in Group II

[*French 4 Advanced French* This course is devoted to the French novel of the first half of the nineteenth century and includes reading, composition, and oral practice. The history of the Romantic novel is studied.

This course alternates with *French 3* and is open to those who have taken *French 2* or *French 3*. Required of Freshmen entering in Group II, elective for Seniors, Juniors, and Sophomores

The course is divided into three sections:

(1) *French 4* for Freshmen entering in Group II

Assistant Professor WESTON

(2) *French 4A* conducted in French

Mr. J. N. CRU

(3) *French 4B* conducted in English

Three hours a week during the year; four hours a week for Freshmen in Group II

Omitted 1910-1911

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[*French 5 Modern French Literature* since the Romantic movement Lectures in French upon the various schools The course is conducted entirely in French. Outside reading is assigned.

Senior and Junior elective course, alternating with *French 6*

Open only to those who have completed *French 3* or *French 4* and who are able to follow a course carried on in French

Three hours a week through the year Further conference hours may be arranged with the class.

Omitted 1910-1911

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[*French 6 Classic French Literature* of the age of Louis XIV The course begins with the Renaissance and shows the development of classicism. Lectures in French upon the period The course is a study of the culture of the age of Louis XIV and the social conditions as expressed in its literature, and is conducted entirely in French. Outside reading is assigned.

Senior and Junior elective course, alternating with *French 5*

Open only to those who have completed *French 3* or *French 4* and who are able to follow a course carried on in French

Three hours a week during the year Further conference hours may be arranged with the class.

Omitted 1910-1911

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SPANISH

Spanish Elementary grammar and reading of classical and modern Spanish. The object of this course is to give a practical elementary training in Spanish and also to read as much as possible for the sake of a vocabulary. The reading is in standard works of literature.

Elective course for Seniors and Juniors

Three hours a week through the year

Dr. RICE

ITALIAN

Dante See *Religion 3*.

PHILOSOPHY

ECONOMICS

Professor DROPPERS and Assistant Professor CLARK

Economics 1 Introductory Economics This course is a study of the leading principles of economic science with some applications to modern industrial conditions. Study of a text-book and of assigned collateral reading is the basis of the work. Discussion of this matter in class is supplemented by occasional lectures and by written tests.

This course is prerequisite for all Economics courses except *Economics 2*.

Senior and Junior elective course

Three hours a week through the year

Professor DROPPERS and Assistant Professor CLARK

**Economics 2 Economic History* A study of the gradual development of the modern industrial world from the middle of the 18th to the end of the 19th century. It comprises the great inventions in textile and iron industries, the applications of steam, railways, steamships, cotton culture, the factory system, banking and the rise of the modern industrial nations.

Assignments of reading on special topics

Senior and Junior elective course

Three hours a week during the first semester

Professor DROPPERS and Assistant Professor CLARK

***Economics 3 Corporations* A study of modern combinations of industry. Historical development of modern industrials in the United States from the pool to the trust and holding company. Forms of corporation securities. Economic and social effects of great combinations. Legislation in the United States and other countries and important legal decisions. State and federal control. Greene's *Corporation Finance*, and Ripley's *Trusts, Pools and Corporations* are used as text-books.

Senior and Junior elective course; Economics prerequisite

Three hours a week during the second semester

Professor DROPPERS and Assistant Professor CLARK

**Economics 4 Money and Banking* A survey of the principles of money, especially in their relation to banking systems. Dunbar's

History and Theory of Banking and *White's Money and Banking* are used.

Senior elective course; Economics prerequisite

Three hours a week during the first semester

Professor DROPPERS

****Economics 5 Public Finance** A study of the theories and methods of taxation and financial administration Adam's *Public Finance* is used as a text-book.

Senior elective course; Economics prerequisite

Three hours a week during the second semester

Professor DROPPERS

GOVERNMENT AND POLITICAL SCIENCE

President GARFIELD, Professor SMITH, and Assistant Professor DOUGHTY

***Government 1 The Constitution of the United States** This course consists of an examination of the theories and principles of government upon which is based the Constitution of the United States, as those theories and principles are presented in *The Federalist*, which work is used as a text-book in the course.

Senior and Junior elective course

Three hours a week during the first semester

Assistant Professor DOUGHTY

****Government 2 Government in the United States** In this course the actual working of the United States Government and the State governments is studied with especial attention to the problem of operating eighteenth century constitutions in the economic and social conditions of the present day.

The methods consist of text-book, lectures, recitations, occasional written work and the preparation of a thesis on some phase of the governmental activity of the United States.

Senior and Junior elective course

Three hours a week during the second semester

Professor SMITH

****Government 3 Jurisprudence** This course is a study of the theory and development of law, its sources and subject matter. The work consists of oral and written recitations, and lectures. Holland's *Elements of Jurisprudence* and Maine's *Ancient Law* are used as text-books.

Senior and Junior elective course

Three hours a week during the second semester

Assistant Professor DOUGHTY

**Government 4 History of the Common Law of England (a)*

This course is a study in outline of the Common Law as a system: its sources, subject matter, and principles. The work consists of recitations, oral and written, and lectures. Kerr's edition of Blackstone is used as a text-book.

Senior elective course

Three hours a week during the first semester

Assistant Professor DOUGHTY

***Government 5 History of the Common Law of England (b)*

This course consists of a study of the processes of reasoning involved in the application of the general principles of the system, and the rules of any particular branch, to specific sets of facts. The work consists of lectures, classroom discussions, and written exercises. There are assignments of reading on special topics.

Senior elective course; *Government 4* prerequisite

Three hours a week during the second semester

Assistant Professor DOUGHTY

HISTORY

Professor GOODRICH, Professor SMITH, Assistant Professor COLLIER,
and Assistant Professor CLARK

**History 1 Mediæval History (375-1453)* This course covers the field of general history from the Barbarian Invasions to the Renaissance. It is the fundamental course in the department and, with *History 2*, forms a prerequisite for all other courses in History. Although open to members of the upper classes, it is intended primarily for Sophomores and it is desirable that it be taken in the Sophomore year.

The methods comprise a text-book, lectures, collateral reading, and frequent written tests.

Particular attention is given to the method of study and the use of materials by the student.

Sophomore elective course

Four hours a week during the first semester

Professor GOODRICH and Assistant Professor COLLIER

****History 2 Modern History (1453-1713)** This course is a continuation of the preceding one, carrying the history of Europe from the era of the Reformation to the treaty of Utrecht. Methods as in *History 1*

Sophomore elective course, open to those who have completed *History 1*

Four hours a week during the second semester

Assistant Professor COLLIER

***History 3 English Political and American Colonial History (1558-1763)** The political history of England from the reign of Elizabeth through the struggle between monarch and parliament under the Stuarts to the final triumph of parliament under the Hanoverians, together with the rise of English colonial power and the development of a colonial system

Senior and Junior elective course, open to those who have completed *History 2*

Three hours a week during the first semester

Professor SMITH

History 4 United States History (1763-1865) This course covers the development of the United States from thirteen separate colonies, through the revolution, the confederation of states, and the contests of parties and of section, to the final victory of the Union in the Civil War.

Senior and Junior elective course, open to those who have completed *History 2*

Three hours a week through the year

Professor SMITH

History 5 European History (1740-1878) Era of Political Revolution and Reconstruction This course treats of the political development of the principal states of Europe from the accession of Frederick the Great to the Treaty of Berlin. Its main object is to prepare the student for an intelligent appreciation of existing political conditions in Europe. In the first semester special attention is given to the period of the French Revolution and the Napoleonic Empire; in the second semester, to the important constructive movements following the revolutions of 1848, concluding with a study of the main features of the constitutions of the principal states and a survey of international relations at the close of the nineteenth century.

Senior and Junior elective course, open to those who have completed *History 2*

Three hours a week through the year†

Professor GOODRICH

***History 6 *Recent United States History* (1865-1908)**

This course continues the history of the United States from the close of the Civil War to the election of 1908, covering the Reconstruction period, the reorganization of parties, the rise of the Currency and Tariff contests, the Expansion episode, and the more recent return to internal political questions. It is similar in scope to *History 4*, but, being given to Seniors who have completed that course, it is somewhat more advanced in character, throwing greater emphasis upon the thesis and less upon classroom tests. The methods also include lectures, reading, and discussion as in *History 4*.

Senior elective course; *History 4*, or *History 2* and *Government 2* prerequisite

Three hours a week during the first semester

Professor SMITH

****History 7 *English History* (1763-1901)** This course is a continuation of the field of *History 3*, carrying the history of England from the ministry of the elder Pitt through the Tory supremacy, the reform struggles, the development of the modern parties, the establishment of the British colonial empire, the Home Rule contest, and the recent era of expansion in Asia and Africa. The emphasis is laid, in this course, upon the domestic and the colonial development of Great Britain, leaving the study of England's share in Continental diplomacy to *History 5*.

Senior and Junior elective course; *History 2* prerequisite

Three hours a week during the second semester

Professor SMITH

****History 9 *Roman History during the Revolution and the Empire*** The economic, social, political, and military history of the Roman world from the age of the Gracchi to that of Theodosius. Reading, lectures, quizzes, and written work

Consultation of the Latin sources is encouraged but not required.

Special instruction is offered, if desired, to prospective teachers, or to any special students wishing to attempt some original investigation. But the course aims primarily, while not neglecting great per-

† [NOTE—Discontinued during second semester of the present year]

sonalities, to survey for the general student of history or of the classics the Roman foundations of European civilization.

This course may be counted for major work or honors in either History or Latin.

Senior and Junior elective course

Latin 1 and *History 2* are prerequisite to this course, or must be taken with it.

Three hours a week during the second semester

Assistant Professor CLARK

HISTORY OF ART AND CIVILIZATION

Professor RICE

**Art 1 Art and Civilization of Antiquity* This course follows the development of the arts of design in Egypt, Greece, and Rome, to their outcome in Byzantine and Moslem forms. It aims to show the organic connection of these successive forms which constitute the basis of mediæval and modern styles.

The instruction in all the courses is given by lectures and practical exercises, aided by lantern views, charts and photographs.

Senior and Junior elective course limited to eighteen men

Three hours a week during the first semester

Fee, \$3, to cover cost of material used

***Art 2 Art and Civilization of the Middle Age* This course continues the study of the arts of design as expressed mainly in architecture and sculpture during the Middle Age. It traces the outcome of Roman and Byzantine art in the monastic and cathedral churches of Western Europe.

Senior and Junior elective course limited to eighteen men; *Art 1* prerequisite

Three hours a week during the second semester

Fee, \$3, to cover cost of material used

**Art 3 Art and Civilization of the Renaissance* The aim of this course is to show how the arts of design are the expression of that revival of the study of classic antiquity and of nature which is called the Renaissance. It deals with sculpture, painting, and architecture in Western Europe during the 15th and 16th centuries.

Senior and Junior elective course limited to eighteen men

Three hours a week during the first semester

Fee, \$3, to cover cost of material used

****Art 4 Modern Art** This course continues the study of the arts of design from the period of the Renaissance to the modern schools, mainly in painting, graphic art, sculpture and ceramics. The art of the East is also studied for its value in comparison with and influence on the art of the West. The works of eminent artists are analyzed, the aim being to give the student the basis of an intelligent appreciation of each important school of art.

Senior and Junior elective course limited to eighteen men

Three hours a week during the second semester

Fee, \$3, to cover cost of material used

PHILOSOPHY

Professor RUSSELL, Assistant Professor PRATT, and Dr. WARBEKE

***Philosophy 1 Elementary Psychology** The aim of this course is to give a general view of the nature of mind, by text-book, lectures, and discussions. The class is divided into three divisions, division I to be conducted by Professor Russell, divisions II and III by Assistant Professor Pratt.

Senior and Junior elective course

Three hours a week during the first semester

Professor RUSSELL and Assistant Professor PRATT

[Philosophy 2 The Psychology of Religion** The more important phenomena of religion are studied from the psychological point of view—such as the development of religion in the individual, belief, conversion, revivals, prayer, mysticism, etc. Lectures, assigned reading, and original research by the students

Senior and Junior elective course, *Philosophy 1* prerequisite

Three hours a week during the second semester

Omitted 1910-1911

Assistant Professor PLATT]

***Philosophy 3 Introduction to Philosophy** This course is conducted by Professor Russell and Assistant Professor Pratt, each having charge of one division. The divisions are designated *Philosophy 3-I* and *Philosophy 3-II*. Professor Russell conducts the study known as *Philosophy 3-I*; and this study is an examination of those doctrines and beliefs which are technically called philosophy, chief prominence being given to the great problems of knowledge, duty, and faith. The aim of this study is to enable the student to gain such knowledge of these subjects as a man of collegiate education

may reasonably be expected to possess; and to awaken an intelligent interest in those subjects which no man who will live a rational life will ignore. The method of this study is the following: There are two lectures each week; these are supplemented by assigned reading, designed to cover the subjects discussed in the lectures; one hour a week is given to informal discussion, and to papers presented by the students upon topics either assigned or of their own selection.

Philosophy 3-II is conducted by Assistant Professor Pratt, and differs from *Philosophy 3-I* in method rather than in content. No text-book is used and there are no lectures, but the class seeks to build up its own conclusions on the chief problems of philosophy by means of informal discussion. Numerous and very brief papers are written by each student, to be based sometimes on assigned reading, but usually on his own independent thought. A thesis of some length is required at the end of the course.

Senior and Junior elective course

Three hours a week during the first semester

Professor RUSSELL and Assistant Professor PRATT

**Philosophy 4 History of Ancient and Mediæval Philosophy* The aim of this course is to treat the evolution of thought principally from the point of view of modern problems and scientific methods, thus making the course a systematic introduction to the ultimate problems of the mind. Lectures, and informal discussions by the students. The principal text is Bakewell's *Source Book in Ancient Philosophy*.

Senior and Junior elective course

Three hours a week during the first semester

Dr. WARBEKE

**Philosophy 5 Logic* The study indicated is to be entirely practical. Logical laws and principles are to be discovered and verified by the study of the actual ways in which men think and reason in matters of common life and in science.

Senior and Junior elective course

Three hours a week during the first semester

Professor RUSSELL

***Philosophy 6 History of Religion* The more important ideas and institutions of the religion of primitive people will first be considered, after which the religions of Egypt, India, Persia, Israel, Islam, Greece, and Rome are taken up in some detail. The instruc-

tion is by lectures, with short quizzes, a considerable amount of required reading from the Sacred Books, and numerous reports upon them. In addition to this each student chooses some topic for independent investigation and writes a thesis of some length upon it.

Senior and Junior elective course

Three hours a week during the second semester

Assistant Professor PRATT

****Philosophy 7 Ethics** This course is given in two divisions, *Philosophy 7-I* and *Philosophy 7-II*. Professor Russell conducts division I, and Assistant Professor Pratt division II.

The use of different authorities is made the basis of the course, and this use is largely supplemented by lectures, papers, and discussions.

Senior and Junior elective course

Three hours a week during the second semester

Professor RUSSELL and Assistant Professor PRATT

****Philosophy 8 History of Modern Philosophy** This is a continuation of *Philosophy 4*, but either course may be taken separately. Rogers's *Students' History of Philosophy* is used as a text-book, supplemented by assigned reading from the leading modern philosophers, and lectures on the more difficult questions, with occasional papers and much informal discussion.

Senior and Junior elective course

Three hours a week during the second semester

Assistant Professor PRATT

****Philosophy 9 Abnormal Psychology** This course will be a study of the more important and interesting forms of abnormal mental states, such as hypnosis, trance, double personality, and telepathic phenomena. The study is conducted by lectures and by papers upon topics assigned for special study.

Senior and Junior elective course; *Philosophy 1* prerequisite

Three hours a week during the second semester

Professor RUSSELL

RELIGION

Professor MORTON and Assistant Professor PRATT

[***Religion 1 Introduction to the Philosophy of Religion* Of the three subjects considered in the philosophy of religion,—Nature, Man, God,—this course treats of the first two. The main elements of religion are studied as facts of scientific knowledge, and as attempted solutions of the problems of existence. The subject is approached through the historical movement known as the Renaissance, defined as "The discovery of the world and the discovery of man." Text-book, lectures and discussions

Three hours a week during the second semester

Omitted in 1910-1911

Professor MORTON]

[**Religion 2 Philosophy of Religion* Continues *Religion 1*, including also the third subject (Theism). The reasons are given for believing in a reality corresponding to the assumptions and aspirations of religion. Objections and anti-theistic theories are considered. With the help of the comparative study of religions, an attempt is made to distinguish the essentials of religious belief.

Text-books, lectures, and discussions Special topics are assigned for more extended study.

Three hours a week during the first semester

Omitted in 1910-1911

Professor MORTON]

[*Religion 3 Dante* The whole of the *Divine Comedy* is read in the English translation side by side with the original text (Dent's edition). A knowledge of Italian is not required, but it is recommended that enough be learned to follow the original with the aid of the translation. Lectures and comments with discussions, and preparation of special topics by members of the class A sympathetic understanding of the spirit of mediæval Catholicism is sought through the medium of its greatest poet. The scope of the course extends, however, beyond the mediæval period to include a wider survey of the subjects considered, especially in religious philosophy.

Three hours a week throughout the year

Omitted in 1910-1911

Professor MORTON]

History of Religion See *Philosophy 6*.

SCIENCES

ASTRONOMY

Professor MILHAM

Astronomy 1 This course is divided into two parts, descriptive astronomy and an introduction to spherical and practical astronomy. In the descriptive astronomy a text-book, Young's *Manual of Astronomy*, is used as the basis of instruction. Numerous supplementary lectures are given and the course is illustrated by charts and photographs. Such topics as the time service of the country, the origin of our calendar, the presence of an atmosphere in the case of the moon and the planets, and the cosmogony, are treated at length. During the second part of the course lectures on modern observatories, their location, equipment, and work, are given. Experimental demonstration and practical exercises in the observatory constitute a large part of the instruction during the last part of the second semester.

Senior and Junior elective course; *Mathematics 1* prerequisite

Three hours a week through the year

Given as a semester course during the first semester 1910-1911

[***Astronomy 2* One of the following semester courses will be given. The course in surveying is the one ordinarily given, but one of the other courses will be substituted if a sufficient number of students desire it.

(a) *Surveying* Such topics as the theory and use of surveying instruments, land surveying, leveling, and determination of heights by triangulation and by means of the barometer, are treated. *Mathematics 1* prerequisite

(b) *Practical Astronomy* This consists of spherical trigonometry, practical exercises in the observatory, and the reduction of the observations. *Mathematics 1* and *Astronomy 1* prerequisite

(c) *Theoretical Astronomy* This is an introduction to celestial Mechanics and is open only to those who have completed *Mathematics 3*.

Senior and Junior elective course

Three hours a week during the second semester

Omitted 1910-1911

***Meteorology** The equipment of the stations of the United States Weather Bureau and scientific weather prediction are very fully treated. The text-book, Davis's *Elementary Meteorology*, is supplemented by numerous lectures and practical work on meteorological statistics and in making weather forecasts.

Senior and Junior elective course

Open to those who have completed *Physics 1*

Three hours a week during the first semester

BIOLOGY

Professor CLARKE and Professor KELLOGG

****Biology 1** The fundamental facts and principles of the science of life are presented in this course. It treats of the order of nature and of the laws of nature. It gives the student a knowledge of the properties and powers, and what contributes to the successful action of, and what are the chief sources of danger to, the living material of which he is composed, through which he does his life work. It deals with the structure of living matter, its possible origin, and its relation to non-living matter.

A typical plant and an animal are studied to illustrate the way in which the two great groups solve the problem of maintaining life, their relations to each other and to their surroundings. As the highest form of living matter, man is studied in his relations to, and his dependence on, other forms of life, and with regard to the meaning and origin of his structure. An outline is given of the evidences of the evolution of life, of mutual aid and associated life among animals, and their possible significance. The object of the course is to make a man intelligent regarding himself, and his fundamental relations to his environment; to set before him the relations of this knowledge to other knowledge, and by this broad view gain a larger appreciation of, and a more generous sympathy with, many of the great interests and resources of human life.

While this course is complete in itself, it furnishes a broad foundation of value to one who takes further work in biology.

Lectures, with written recitations, and occasional laboratory work
Sophomore elective course

Four hours a week during the second semester

Professor CLARKE

Biology 2 The year's work includes two subjects:

(a) *Zoölogy of the Invertebrata* This part of the course extends from September to about the last of March. Instruction is by means of lectures, recitations, and laboratory work. The structure and functions of several single-celled organisms are studied in the laboratory by means of the microscope. Among the many-celled forms examined are sponges, fresh-water hydras, marine hydroids, the star-fish, sea-urchins, worms, crayfish, grasshopper, fresh-water and marine bivalves, and the squid. The object of this work is chiefly to demonstrate the *meanings* of homologies and adaptations, and to afford an appreciation of the value of the data employed in inductions considered later in the course. Laboratory work is recorded by each student in simple outline drawings.

(b) *Theories of Biology* The remainder of the year is given to a series of lectures, with recitations, on the general problems of biology. Laboratory work in (a) is continued during this period.

The course considers the views of the early Transmutationists, of Lamarck, Erasmus Darwin and others, and enters fully into a discussion of the theory of natural selection of Darwin and Wallace, on which the science of biology was founded. Attention is given to the early criticism of the theory, and more particularly to recent observations that tend to limit it as a universal explanation of the structural and functional peculiarities of organisms.

Among the subjects to be discussed are the meaning of the term species, the multiplication of organisms and the struggle for existence, variation among individuals, the meaning of color and peculiar structural modifications among animals and plants, heredity, natural selection and the development of the mental faculties, natural selection and morals, and the influence of the scientific method on modern thought.

Senior and Junior elective course

Three exercises a week through the year

Fee, \$10

Professor KELLOGG

Biology 3 A continuation of Biology 2

(a) *Zoölogy of the Chordata* As in *Zoölogy of the Invertebrata*, instruction is by means of lectures, recitations, and laboratory work. The fishes, amphibia, reptiles, birds, and mammals are studied comparatively by means of dissections in the laboratory.

(b) *Embryology* The second semester is given to a study of the development of the starfish, worm, frog, chick, and mammal. In the first three forms special attention is given to the early stages which follow fertilization. The work on the chick is outlined by a text-book, and followed in the laboratory by means of preparations, some of which are to be made by the student. It covers the development from the beginning of incubation to a stage in which the more important organs of the body have appeared. Mammalian development is compared with that of the chick, which it closely resembles, but is studied in the laboratory only by means of models and demonstration preparations.

Senior elective course; *Biology 2* prerequisite

Three exercises a week through the year

Fee, \$10

Professor KELLOGG

**Botany 1* The work in the first part of the course deals with the mechanism of one of the most highly organized plants. In connection with this Stevens's *Plant Anatomy* is used as a text-book. The second part of the course treats of the life-history of such a plant. This is followed by a study of plant Physiology, using Strasburger's *A Text-book of Botany*. A study of the principles of Forestry with the use of Green's text-book completes the course.

Senior and Junior elective course

Lectures, laboratory, and text-books

Three exercises a week during the first semester

Professor CLARKE

***Botany 2* A continuation of *Botany 1*, but an independent course

The Evolution of Plants Types of all the plant groups from the simplest to the most highly organized are studied, their structure and life history receiving especial attention. This is made the basis for a consideration of the process of evolution in the plant world, and will include such general subjects as the origin of sex, the origin of the seed plants and its significance to man, and the origin of the coal beds. Lectures, laboratory work and occasional excursions

Text-book, Strasburger's *A Text-book of Botany*

Senior and Junior elective course

Three exercises a week during the second semester

Professor CLARKE

CHEMISTRY

Professor MEARS, Assistant Professor BRAINERD MEARS, and
Mr. BAILEY

***Chemistry 1 General Chemistry** The principles of chemistry are studied in connection with the non-metals and their compounds. This course is given by experimental lectures, supplemented by recitations and practical work in the laboratory.

Sophomore elective course

Four hours a week during the first semester

Fee, \$3

****Chemistry 2 Metallic Chemistry and Qualitative Analysis** A course of lectures will be given on the occurrence, properties, and uses of the metals and their compounds.

Most of the time is devoted to qualitative analysis in the laboratory. This work includes the reactions of the principal bases and acids, their detection and separation. About 100 solutions and 100 solid substances are analyzed during the course, including about 50 minerals. This course is a continuation of *Chemistry 1*.

Sophomore elective course, limited to 50 men; *Chemistry 1* prerequisite

Five periods a week of two hours each during the second semester

Fee, \$10

***Chemistry 3 Quantitative Analysis** This course embraces the quantitative determination and separation of the principal bases and acids. Both gravimetric and volumetric methods are employed.

Senior and Junior elective course; *Chemistry 2* prerequisite

Three exercises a week of two hours each during the first semester

Fee, \$10

****Chemistry 4 Organic Chemistry** Lectures on the compounds of carbon, including the history of chemistry and its development to the present time

This course completes the work begun in *Chemistry 1* and continued in *Chemistry 2*.

Senior and Junior elective course; *Chemistry 2* prerequisite

Three hours a week during the second semester

***Chemistry 5 Advanced Organic Chemistry** This course is a continuation of the work begun in *Chemistry 4*. The principles of organic chemistry are applied to the preparation of organic com-

pounds in the laboratory with a discussion of the reactions involved. Cohen's book on organic preparations is used.

Senior and Junior elective course; *Chemistry 4* prerequisite

Three exercises a week of two hours each during the first semester
Fee, \$5

Assistant Professor BRAINERD MEARS

****Chemistry 6 *Physical and Advanced Inorganic Chemistry*** This course consists of lectures on the modern theories of physical chemistry together with experimental work in the laboratory. A course is also given in the preparation of inorganic compounds with a discussion of the reactions involved.

For those who prefer it, a parallel course in physiological chemistry may be offered.

Senior and Junior elective course; *Chemistry 4* prerequisite

Three periods a week of two hours each during the second semester

Fee, \$5

Assistant Professor BRAINERD MEARS

GEOLOGY AND MINERALOGY

Professor CLELAND and Mr. LABAREE

General Geology The purpose of the courses in General Geology, *Geology 1* and *Geology 2*, is to give the student such a knowledge of the principles of geology that he may be able to understand what he sees of the earth's surface; and to know what force or forces have produced this feature of the landscape and what, that feature. A study is also made of the forces themselves, such as, for example, glaciers, volcanoes, earthquakes, and erosion. Some time is spent on a study of the life of the past, not only in a description of the animals that lived in the various periods of the earth's history but also of the changes that took place in their structure and habits, and, as far as possible, the causes that produced these changes.

***Geology 1** During the first semester that portion of the subject included in (a) *Dynamical Geology* which deals with the forces that have shaped, and are now shaping the earth's surface, such as weathering and erosion, glaciers, volcanoes, earthquakes, etc., is studied.

(b) *Structural Geology* (with the exception of ore deposits, which will be considered in the second semester) In this division of the subject the structure of the earth's crust and the more important rocks and minerals of which it is composed are studied.

Excursions in the vicinity of Williamstown, as well as one or two to some distance, are taken.

Senior and Junior elective course; *Chemistry 1* prerequisite, or with *Chemistry 1*

Three hours a week during the first semester

****Geology 2** In the second semester the origin and occurrence of ores are first studied. This is followed by the major work of the semester, the study of Historical Geology. The animals of the past, as shown by their fossil remains, are discussed particularly with regard to their bearing upon the theory of evolution. The fossils in the collections, and a number of casts, together with a large collection of lantern slides of restorations, are used in illustration.

Excursions in the vicinity of Williamstown, as well as one or two to some distance, are taken.

Senior and Junior elective course; *Geology 1* prerequisite

Three hours a week during the second semester

***Geology 3 Advanced Geology** Beginning with a more detailed study of those subjects which are essential to the understanding of Economic Geology, the aim of the course is to afford the student a practical knowledge of the mineral products of the United States, such as coal, gypsum, salt, iron, lead, copper, and gold. Special attention is paid to the origin of the various deposits studied, with particular reference to the general principles governing the deposition and occurrence of each economic product discussed.

Senior and Junior elective course; *Geology 1* prerequisite

Three hours a week during the first semester

****Geology 4 Mineralogy** The purpose of this study is to give the student the ability to determine the commoner minerals by tests that can be used in the field or with chemicals that can easily be purchased. To accomplish this object attention is given to the identification of minerals by their physical properties as well as by blow-pipe and chemical tests. A brief course in crystallography is given throughout the semester, accompanying the identification of the minerals.

This course is designed for students who plan to take advanced work in Architecture, Chemistry, Geology, or Mining.

Moses and Parson's *Mineralogy and Blow-Pipe Analysis* is used.

Fee, \$3

Senior and Junior elective course; *Chemistry 2* or *Geology 1* prerequisite

Three exercises a week during the second semester

****Geology 5 *Physical and Commercial Geography*** The purpose of this course is to give the student a general knowledge of the Geology, Geography, and physical features of the countries of North and South America and Europe (as far as time will allow), together with their climates and the conditions that produce them. The natural resources, such as mineral wealth and agricultural and manufactured products, are discussed as fully as time will permit. In the study of the United States, the influence of Geography and Geology on American History is especially emphasized.

The course consists of lectures, assigned readings and papers.

Senior elective course

Three hours a week during the second semester

MATHEMATICS

Professor FERRY, Associate Professor HARDY, Assistant Professor GRIFFIN, Assistant Professor SHEPARD, and Dr. ATCHISON

Mathematics 1 *Algebra, Solid Geometry, Plane Trigonometry, and Surveying*

Advanced Algebra Binomial theorem, logarithms, permutations, combinations, method of undetermined coefficients, determinants, theory of equations, etc. Hawkes's *Advanced Algebra* is used as a text-book.

Solid Geometry Books VI, VII, and VIII of Wentworth's *New Plane and Solid Geometry*, together with original propositions and numerical problems

Plane Trigonometry The trigonometric functions, trigonometric analysis, solutions of right and oblique triangles, etc.

Field Work in Surveying The practical use of instruments, including determination of heights, simple triangulation, measurement of areas, and leveling This portion of the course is optional.

Freshman required course

Four hours a week through the year

Professor FERRY, Associate Professor HARDY, Assistant
Professor GRIFFIN, Assistant Professor SHEPARD,
and Dr. ATCHISON

Mathematics 2 Analytic Geometry and Differential Calculus

Analytic Geometry Plane analytic geometry,—the straight line, circle, parabola, ellipse, and hyperbola,—with an introduction to analytic geometry of three dimensions Smith and Gale's *Elements of Analytic Geometry* is the text-book used.

The first semester

Professor FERRY, Assistant Professor SHEPARD, and
Dr. ATCHISON

Differential Calculus Methods of differentiation, expansion of functions into series, indeterminate forms, the simpler applications to mechanics and to the theory of plane curves, etc. Granville's *Calculus* is the text-book used.

The second semester

Assistant Professor GRIFFIN, Assistant Professor SHEPARD,
and Dr. ATCHISON

Sophomore elective course, required of Freshmen in admission Groups IV and V; *Mathematics 1* prerequisite

Four hours a week through the year

Mathematics 3 Differential and Integral Calculus

Integral Calculus Derivation and application of the fundamental formulas of integration; applications of the integral calculus to the determination of lengths of curves, areas and volumes, mean values, moments of inertia, etc., based on Granville's *Calculus* and *A Course in Mathematics* by Woods and Bailey

The first semester

Differential and Integral Calculus This course during the second semester is a continuation of the work of *Mathematics 2* and of the first half of *Mathematics 3*. Numerous applications of the differential and integral calculus are considered. The work is based on Granville's *Calculus* and *A Course in Mathematics* by Woods and Bailey.

The second semester

Senior and Junior elective course, open also to Sophomores in Groups IV and V; *Mathematics 2* prerequisite

Three hours a week through the year

Associate Professor HARDY

***Mathematics 4 Descriptive Geometry**

This course is an introduction to descriptive geometry and the elements of mechanical drawing. Randall's *Descriptive Geometry* is used as a text-book.

Senior and Junior elective course; *Mathematics 1* prerequisite

Three hours a week during the first semester

Associate Professor HARDY

****Mathematics 5 Descriptive Geometry** This course is a continuation of *Mathematics 4*.

Senior and Junior elective course; *Mathematics 4* prerequisite

Three hours a week during the second semester

Associate Professor HARDY

***Mathematics 6 Differential Equations** Methods of solution of the simpler forms of differential equations, applications to many problems of mathematical physics, etc. The course is based on Murray's *Differential Equations*.

Senior and Junior elective course; *Mathematics 3* prerequisite

Three hours a week during the first semester

Assistant Professor GRIFFIN

****Mathematics 7 Modern Methods in Analytic Geometry** Abridged notation, line co-ordinates, harmonic division, projection, etc., with many applications. Lectures, with references to Salmon's *Conic Sections* and other works

Senior and Junior elective course; *Mathematics 2* prerequisite

Three hours a week during the second semester

Professor FERRY

PHYSICS

Professor McELFRESH and Mr. HARRINGTON

***Physics 1 General Physics** This course deals with the elementary facts and principles of physics and with the applications of physical laws to the experiences and phenomena of daily life. It includes elementary mechanics, sound, heat, light, magnetism, and electricity.

Sophomore elective course

Four exercises a week during the first semester; these are lectures and recitations (three hours a week) and laboratory work (one two-hour exercise a week). For lectures and recitations the class meets in two divisions. For laboratory work the class is divided into smaller divisions; two-hour periods to be assigned for this work, to fit individual schedules.

****Physics 2 Experimental Physics** Mechanics, sound, heat, light, magnetism, and electricity This course consists of a series of physical measurements in the laboratory, accompanied by lectures. The lectures deal with the methods and principles involved in the laboratory work and also discuss certain physical problems which do not readily lend themselves to laboratory experimentation. In the laboratory work high-grade instruments of precision are employed and the course is expected to give some skill in accurate measurement. The primary object of the laboratory work is to enable the student to familiarize himself with physical phenomena by direct personal observation.

Sophomore elective course; *Physics 1* prerequisite

Five exercises a week during the second semester; lectures and recitations (two hours a week), and laboratory work (three two-hour periods a week)

Fee, \$10

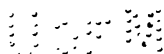
Physics 3 One of the following sub-courses is given each year. For the year 1910-1911 the course is (a).

(a) **Electrical Measurements and Practical Applications of Electricity** This course consists of lectures and laboratory work and includes a study of the magnetic properties of iron and steel, of direct and alternating current phenomena, and of their practical illustration in dynamo-electric machinery.

(b) **Heat and Light** A study of the elements of thermodynamics and physical optics Lectures and reading with occasional laboratory work

Senior and Junior elective course; *Physics 2* prerequisite

Three exercises a week through the year; lectures and recitations (two hours a week), and laboratory work (one two-hour period a week)



***Physics 4 Experimental Mechanics** The general principles of mechanics of solids; statics and kinetics of rigid bodies Lectures, problems and laboratory work

Senior and Junior elective course; *Mathematics 2* and *Physics 1* prerequisite

Three exercises a week during the first semester

****Physics 5 Experimental Mechanics** A continuation of *Physics 4* Elasticity of solids, liquids and gases Statics and kinetics of liquids and gases

Senior and Junior elective course; *Physics 4* prerequisite

Three exercises a week during the second semester

PHYSIOLOGY AND HYGIENE

Professor HOWARD

***Hygiene** A series of lectures and recitations on the preservation of health The lectures are designed to acquaint the student with the causes of disease, to point out the conditions of healthy living, and to inculcate those habits that promote physical efficiency. In several lectures attention is given to the problems of public health, especially those of safeguarding the food-supply and stamping out communicable disease.

Freshman required course

One hour a week during the first semester

Shortly after the opening of college in the fall, each new student is given a physical examination, the objects of which are to discover any existing defects of the heart, lungs, eyes or muscular development, and to prescribe proper measures for their correction. Particular attention is given to the fitness of candidates for the athletic teams.

***Physiology 1** An elementary study of the mechanism of life Attention is centered chiefly on the structure and function of the human body, but the facts of general physiology are constantly employed to throw light on the special problems of human physiology. The physical and chemical features of the material basis of life are discussed first. Following this there is a brief survey of cell physiology. Subsequently the neuro-muscular mechanism, the central nervous system, and the organs of sensation are studied. As far as time and the nature of the subject permit, the facts of physi-

ology are demonstrated to the class, and the discussions are based as far as possible on these observed phenomena. Martin's *Human Body* is used, supplemented by reading of references in the manuals and periodicals of the science.

Chemistry 1, *Physics 1*, and *Biology 1* are recommended, though not required as preparatory to this course.

Senior and Junior elective course

Three hours a week during the first semester

****Physiology 2** This course continues the study of Physiology on lines identical with those followed in *Physiology 1*. Nourishment will be the central topic. Under this head are studied alimentation, respiration, circulation, metabolism, etc.

Senior and Junior elective course; *Physiology 1* or *Biology 2* prerequisite

Three hours a week during the second semester

PHYSICAL TRAINING

Mr. SEELEY

Exercises consisting of marching, calisthenics, and light gymnastics with wands, clubs, chest-weights, and dumb-bells

Freshman required course

Three forty-five minute periods a week until Easter

The first six weeks are give up to outdoor work on Weston Field.

Elective work in the gymnasium is offered to other classes.

[In connection with this work a course of lectures on Hygiene is given in the fall by Professor Howard. See the announcement of Physiology and Hygiene.]

GENERAL INFORMATION

ORDER AND DISCIPLINE

It is the aim of the college to develop in the individual student the sense of personal responsibility for good order and a high standard of scholarship, and to secure, in the largest measure, his coöperation with the Faculty in the development of his own character. But if such coöperation is plainly impossible, a student may be dismissed from college at any time, even without previous warning.

HONOR SYSTEM

All college examinations are conducted under an honor system, established in 1896, by which the presence of proctors in the examination room is dispensed with and each student is placed on his honor. The following declaration is necessary to make any examination or other work written on paper in the classroom valid: *I have neither given nor received aid in this examination.*

All cases of suspected fraud are dealt with by a committee of ten students, including representatives from each class, who have the power to decide on the question of guilt and to recommend to the Faculty the penalty of dismissal from college in the case of a Senior, Junior, or Sophomore, and of suspension in the case of a Freshman.

REGISTRATION

All students are required to register at the Dean's Office on Tuesday, Wednesday, or the morning of Thursday at the beginning of the college year and again, as occasion may demand, shortly before the beginning of the second

semester and near the close of the second semester. For unexcused delay in registration, a fee of five dollars is imposed.

ATTENDANCE ON COLLEGE EXERCISES

Attendance on nine-tenths of the exercises in each course is required of Seniors, Juniors, and Sophomores, and attendance on nineteen-twentieths of the exercises in each course is required of Freshmen.

Beginning with the second semester of 1910-11, the attendance requirement will be as follows:—Attendance on all individual appointments in the departments of English, Elocution, and Physical Training, on all semi-annual or final examinations, and on six-sevenths of the chapel services is required of all students; attendance on nine-tenths of all other exercises is required of those Seniors, Juniors, and Sophomores, whose grades during the previous semester were as high as B in at least half their hours and as high as C in all their hours; and attendance on nineteen-twentieths of these exercises is required of all other students.

Each student is allowed to be absent from the Sunday morning service twice and from the morning prayers and Sunday afternoon service combined eighteen times each semester.

The regulation of attendance on both the secular and the religious exercises is entrusted to the Dean. He is authorized to establish such rules for attendance on the religious exercises of the college as he may deem necessary, and to place on probation any student who fails to meet these requirements, or whose attendance on recitations and lectures is especially irregular. If a student does not comply with the conditions of the probation, the Dean may dismiss him from college; but any student thus dis-

missed has the right of an appeal through the Dean to the Committee on Administration.

COMPLETION OF COURSES

A course will be considered satisfactorily completed for any semester when the student has obtained a grade not lower than D in the daily work (which shall include all oral and written exercises prior to the semi-annual examination), and a grade not lower than D in the semi-annual examination. A student failing to obtain a grade as high as D in the daily work must repeat the course the succeeding year or take, in the case of an elective, an equivalent course. A student failing to obtain a grade as high as D in the semi-annual examination will be allowed a further opportunity to pass that examination; if unsuccessful in this, he will be required to repeat the course the succeeding year or take, in the case of an elective, an equivalent course. For requirements for graduation, see pp. 58, 59.

DEGREES

Bachelor of Arts—The Degree of Bachelor of Arts is conferred by vote of the Trustees at the annual Commencement upon students who have completed the requirements as to courses, hours, and grades to the satisfaction of the Faculty (see pp. 58, 59), have paid their dues to the Treasurer, and have returned all books belonging to the library; but the degree may be forfeited by misconduct at any time previous to the close of the Commencement exercises.

Master of Arts—The degree of Master of Arts is conferred upon Bachelors of Williams College of at least one year's standing who, having spent one year in residence at the college, pursuing two approved courses of study as explained below, have passed a satisfactory examination in each subject, and have submitted a satisfactory thesis.

The degree is conferred upon Bachelors of Williams College who have spent one year in residence at any academic institution, pursuing two approved courses as below, provided that none of the work taken for the degree be used in fulfilment of the requirements for degrees elsewhere, and having been registered for the Master's degree for not less than one college year, have fulfilled the conditions as to examinations and thesis.

The degree is conferred upon Bachelors of Williams College who, not having been in residence, but having been registered as candidates for the degree not less than two years, have fulfilled the conditions as to courses, examinations, and thesis.

Undergraduates of Williams College who at the beginning of their Senior year require not more than eight semester hours to complete the requirements for the Bachelor's degree may apply the remainder of their allowed semester hours toward the Master's degree, receiving the same one year after graduation, provided that they have satisfied the conditions as to courses, examinations, and thesis.

The degree is conferred upon Bachelors of other colleges conferring the Bachelor's degree under conditions equivalent to those required at this college, provided that the approved courses are pursued in residence at Williams College under the specified conditions as to time, examinations, and thesis.

Each candidate must submit two courses of study, which together shall be equivalent to the work of a fifth college year. Of these courses, one, to be known as the major course, must be equivalent to at least twenty semester hours, and the other, to be known as the minor course, must be equivalent to at least ten semester hours.

Each candidate will outline his courses under the direction of the heads of the departments interested and the

Committee on Graduate Students, who together shall be empowered to decide whether the candidate may pursue certain advanced undergraduate courses as part of the work leading to the degree.

Candidates for the Master's degree are required to pass their examinations with at least a B grade.

The thesis required of each candidate must treat a subject related to the major course. It must be submitted not later than May fifteenth of the year in which the candidate desires to be examined, and must meet the approval of the professor to whose department it is related and of the Committee on Graduate Students. A copy of the thesis, printed or typewritten on paper of the size generally used in a typewriter, must be deposited in the College Library.

Each candidate must file his registration with the Chairman of the Committee on Graduate Students not later than October fifth of the year in which he desires to enter on his work. The registration must be renewed not later than October fifth of each year for which the applicant desires to be considered a candidate, and, in case of non-resident candidates, the renewal of the registration must be accompanied by a statement showing the progress that has been made during the year.

Candidates for the degree must pay to the Treasurer of the College twenty dollars at the time of the first registration, and five dollars at the time of the final examination. No further charge is made for the diploma.

The degree must be taken not later than three years after the first registration, unless the period be extended by special vote of the Committee on Graduate Students. The candidate must give notice of his readiness for the final examinations not later than May first of the year during which he expects to receive the degree. The

examinations, however, may be taken earlier than the end of the final year of study, subject to the following restrictions: (a) The examination for the major course *in residence* may not be taken earlier than the spring recess following the date of registration; and that for the minor course *in residence* not earlier than the end of the first semester following the date of registration. (b) The examination for the major course *in absentia* may not be taken earlier than the end of the first semester of the year following the date of registration; and that for the minor course *in absentia* not earlier than the Easter recess of the year of registration.

Candidates in residence who desire instruction will be charged forty dollars for each course, in addition to the prescribed fees for registration and examination. This will entitle them to one weekly period of instruction in each course. An additional charge may be made for the use of laboratory apparatus.

The College Catalogue will contain the names of those candidates who take the required courses *in residence*, but not the names of those who pursue work *in absentia*.

Successful candidates for the degree are required to be present at the time when the degree is conferred, unless previously excused by the Board of Trustees.

Communications relative to the Master's degree should be addressed to Professor Carroll Lewis Maxcy, Chairman of the Committee on Graduate Students.

RECORDS AND REPORTS

A report of scholarship is sent to every student's parents or guardian at the close of each semester, and at such other times as the Faculty may deem expedient. A permanent record of each student's scholarship is kept and by this record his final rank is determined.

WILLIAMS COLLEGE

PUBLIC WORSHIP

Chapel exercises are held every week-day morning and Sunday evening, and all students are required to be present.

On every Sunday morning, a preaching service is held in the college chapel at which the presence of all students not excused to attend elsewhere is required.

PREACHERS TO THE COLLEGE FOR THE YEAR

1909-1910

Dean F. T. Clayton	Winter Park, Fla.
Ex-President Franklin Carter, LL.D.	Williamstown
Rev. Willis H. Butler	Northampton
President Charles A. Richmond, D.D.	Schenectady, N. Y.
Right Rev. Alexander H. Vinton, D.D.	Springfield
Prof. George William Knox, D.D.	New York, N. Y.
Rev. Harris E. Adriance	New York, N. Y.
Rev. J. P. Jones	Oberlin, Ohio
Rev. S. V. V. Holmes, D.D.	Buffalo, N. Y.
Rev. William R. Richards, D.D.	New York, N. Y.
Prof. Hugh Black	New York, N. Y.
Rev. A. F. Schauffler, D.D.	New York, N. Y.
Rev. A. J. Lyman, D.D.	Brooklyn, N. Y.
Rev. Percy Martin	Williamstown
Rev. Henry E. Cobb	New York, N. Y.
Rev. Robert Freeman	Buffalo, N. Y.
Prof. Graham Taylor	Chicago, Ill.
Right Rev. Charles D. Williams, D.D.	Detroit, Mich.
Rev. Charles Stelzle,	New York, N. Y.
Rev. Clarence A. Barbour, D.D.	New York, N. Y.
Prof. Henry Van Dyke, D.D.	Princeton, N. J.
Rev. J. Boyd Edwards	Brooklyn, N. Y.
Rev. John Quincy Adams	Auburn, N. Y.
Rev. George W. Andrews, Ph.D.	Dalton
Rev. W. V. W. Davis	Pittsfield
President George B. Stewart, D.D.	Auburn, N. Y.
Ex-President George Washburn	Constantinople, Turkey
Rev. H. Roswell Bates	New York, N. Y.
Rev. J. Franklin Carter	Williamstown

Rev. S. M. Zwemer, D.D.	New York, N. Y.
Rev. Harris E. Adriance	New York, N. Y.
Prof. Paul Van Dyke, D.D.	Princeton, N. J.
Rev. John Sheridan Zelig, D.D.	Plainfield, N. J.
Rev. George A. Gordon, D.D.	Boston
Rev. W. S. Archibald	Pittsfield
Rev. Samuel S. Drury	Concord, N. H.

LIBRARY

The College Library contains sixty-eight thousand six hundred and eighty volumes, exclusive of duplicates, and about nineteen thousand eight hundred pamphlets. The card catalogue now covers the entire collection, bound and unbound. For the maintenance and enlargement of the library, six thousand five hundred fifty dollars are expended annually. The Lawrence, Jonathan Phillips, J. Ruthven Adriance, D. A. Jones, Class of 1878, Josiah William Wheeler, and the Stephen and Mary Stickney Memorial funds represent a capital sum of about fifty-nine thousand seven hundred and forty dollars, the income from which is increased by gifts, and by special appropriations of the Trustees.

Students have direct access to all books. They may draw three volumes at a time, to be retained, if desired, for two weeks, with the privilege of one renewal. Abundant facilities are afforded for reading, study, and writing during library hours.

The library is open every week day during the entire year. From September to Thanksgiving, and from Easter to Commencement the hours are from 8 A. M. to 12 M., from 1 P. M. to 6 P. M., and from 7.30 P. M. to 10 P. M. Between Thanksgiving and Easter the hours are from 8.30 A. M. to 12.30 P. M., 1.30 P. M. to 6 P. M., and 7.30 P. M. to 10 P. M. On Sundays during the college year the library is open, for reading and reference only, from 2 P. M. to 5.25 P. M. In vacation the hours are from 10.30 A. M. to 12.30 P. M., on week-days.

A special effort is made to promote the seminary method. For this purpose reference books bearing on the term's work are placed in a special department of the east wing. Branch libraries are established in the Thompson Laboratories, Griffin Hall, Clark Hall, and Hopkins Hall, bringing the books bearing on biology, chemistry, physics, mathematics, astronomy, history, government, economics, physiology, botany, and geology, within the immediate reach of students in those departments. With the same method in view, books used for special study in language, literature, and philosophy are placed in the Reference Room in Goodrich Hall.

A comfortable reading-room, well supplied with daily and weekly papers and other current literature, is maintained under the auspices of the Williams Christian Association.

LABORATORIES

The departments of Biology, Chemistry, and Physics are located in the three buildings presented to the college by the late F. F. Thompson, Esq., of New York.

The Biological Laboratory contains three laboratories for the various courses offered, a general lecture room, a library and reading room where much of the current literature of biology is kept on file, also a room for illustrative collections, and an aquarium. The work of instruction and research commands the aid of suitable apparatus, such as microscopes, microtomes, ovens, baths, and other necessary appliances, together with a large series of charts, models, and illustrative collections, which are being continually increased. There is also a complete stereopticon outfit, with projection microscope and arc light.

The Chemical Laboratory is supplied with modern appliances for instruction in chemistry. The building contains three large laboratories, two private laboratories, lecture and recitation rooms, and a reference library.

The Physical Laboratory contains a well appointed lecture room, a recitation room, separate laboratories for the work of the different classes, a department library, and rooms especially arranged for advanced work in electricity, magnetism, light, and chemical physics. Power is furnished by a Westinghouse engine of fifteen horse-power, and by a ten horse-power induction motor. The electrical equipment includes a five kilowatt dynamo, several smaller dynamos and motors, and standard instruments for measuring current-strength, voltage, resistance, capacity, etc. A storage battery of fifty cells furnishes current for the lecture room and laboratories.

OBSERVATORIES

The astronomical department of the college possesses two observatories for illustration and scientific investigation. The older was built by Professor Albert Hopkins in 1838, and contains an equatorial by Phelps of Troy, N. Y., with an object glass by Alvin Clark, Senior, which has an aperture of 7 inches. This instrument was constructed about 1852 and is interesting as an early example of Clark's optical work. The meridian room of the Hopkins Observatory contains a portable transit which can be used as a zenith telescope, together with the necessary clock. Another room contains the meteorological apparatus. Meteorological observations have been made regularly since about 1816.

In another part of the town a plot, comprising five acres and a half, was purchased in 1881 for astronomical purposes. At present this enclosure contains the Field Memorial Observatory, an iron meridian house, built at the expense of the Hon. David Dudley Field, together with a small building for the accommodation of portable instruments. The main instrument of this observatory is a fine meridian circle by A. Repsold and Sons of Ham-

burg, with a telescope of 4.8 inches aperture and a circle divided to 2' of arc, reading by four microscopes to single seconds directly. The meridian circle is provided with a Riefler clock, a fillet chronograph, and collimators according to Rittenhouse.

In addition the department of Astronomy is provided with a large number of portable instruments, among which are two telescopes for the simpler observations and three surveyor's transits, one of them a Wanschaff universal with seven-inch limb, latitude level, and microscopes reading to 5" directly. There are also several instruments of reflection, including sextants, sailor's octants, and two prismatic circles, three chronometers, artificial horizons, and other small pieces of apparatus.

GEOLOGICAL MUSEUM

The entire first floor of Clark Hall is given up to the Geological Museum. The collections, though not large, have been carefully selected and arranged and contain many choice specimens of minerals, rocks and fossils.

During the past year a collection of fossil plants from the coal fields of Pennsylvania was purchased and will shortly be placed on exhibition. Through the generosity of a recent alumnus, funds have been made available for polishing and mounting a number of large and small specimens of petrified wood from the Petrified Forest of Arizona. It is expected that this collection will be on exhibition within a few months. One hundred and ten specimens of polished marbles, chiefly from foreign localities, cut to the uniform size of 5 by 7½ inches, was presented to the Museum by Mr. Francis E. Bowker, Jr., of the Class of 1908, and are now on exhibition.

The nucleus of the mineral collection was the "Wilder Cabinet," which was purchased and presented to the college by Edward Clark, the donor of the building that bears his

name. Professor Ebenezer Emmons presented his collection of North Carolina fossils, as well as some from New York State, in the early days of the college, and from this the present collection grew. Through the generosity of Mr. Morris K. Jesup, as well as through the annual appropriations, vertebrate and invertebrate fossils have been purchased and this section of the Museum made more valuable for classroom as well as for exhibition purposes. Mr. T. Nelson Dale's donation of local rocks has made this collection complete.

A collection of modern shells, the gift of missionary alumni and others, is on exhibition.

Models illustrating mountain structure, folding, faulting, relief maps, crystal models, and other devices for illustrating geological features, are either on exhibition or are available for those who are interested.

GYMNASIUM

The Lasell Gymnasium, erected and equipped at a cost of \$50,000, chiefly by the munificence of the widow of the Hon. Josiah Lasell, of the class of 1844, and of his son, Josiah Manning Lasell, of the class of 1886, furnishes abundant facilities for physical development. The apparatus is the outcome of the study and invention of the best teachers of gymnastics. Pulley-weights of the best pattern, adjustable to varying strength, light Indian clubs, dumb bells, both of wood and of iron, horizontal and parallel bars, rings, and apparatus for developing special muscles, are used under the immediate supervision of an instructor. An inclined padded running track 229 feet in length, and a swimming pool 65 by 22 feet, are important features of the building. It is provided with hot and cold water, tub, sponge, and shower baths, and five hundred and fifty steel lockers. There are several class drills daily in the main

hall at hours suiting the convenience of the students. A careful examination and measurement of each student is made by the Director soon after entering college, in order that the exercise may be adapted to individual peculiarities, and a symmetrical development secured. Gymnastic exercise is required of the Freshman class until the Easter recess.

COLLEGE INFIRMARY

Through the generosity of friends of the college a house has been provided where students who are ill can receive proper attention. Each student cared for at the Infirmary is charged one dollar a day. In case a special nurse is needed, the expense is to be borne by the person requiring the same, and the Infirmary is to be reimbursed for all expense and at the rate of six dollars a week for the nurse's board. In cases of contagious disease nurses charge extra for services. Board bills are to be paid to the College Treasurer.

Through the generosity of Mrs. F. F. Thompson, a new fireproof Infirmary is being built, which will be completed in time for the opening of the year 1911-1912.

PRIZES

BENEDICT PRIZES

The late Hon. Erastus C. Benedict, of the Class of 1821, once an instructor in the college, established seven first prizes of twenty-five dollars each, which may be awarded annually for excellence in the following departments: Latin, Greek, French, German, Mathematics, Natural History, and History; and seven second prizes of fifteen dollars each, which may be awarded in the same departments.

He also founded a prize of twenty-five dollars, to be given annually to that member of the college who, at the close of each college year, shall be found to have received

the largest number of prizes.* Honorable mention is here counted as a prize. In case of a tie, the relative grades of the prizes will be taken into account, and honorable mention in Latin or Greek and a Rice book prize will not both be counted.

BOOK PRIZES FROM THE RICE FUND

Six book prizes will be awarded from the Rice fund for excellence in Latin and Greek to students who are not recipients of the Benedict prizes in those subjects.

Candidates for these prizes must have completed one year's work in Greek and two years' work in either Latin or Greek.

VAN VECHTEN PRIZE

A prize amounting to seventy dollars, established by A. V. W. Van Vechten, Esq., of the Class of 1847, may be awarded for extemporaneous speaking. The assignment of this prize will be made by a committee of the Faculty on the basis of a public competition.

GRAVES PRIZES

The late Arthur B. Graves, Esq., of the Class of 1858, founded seven prizes, amounting to two hundred dollars, which may be awarded as follows: six prizes of twenty dollars each for the best six essays prepared by members of the Senior class, on subjects assigned by the Faculty; and one prize of eighty dollars to the student who shall deliver his essay in the most effective manner before a public audience. The essays must be deposited in the library.

RHETORICAL PRIZES

On the evening before Commencement, ten speakers, appointed equally from the Junior and the Sophomore

* For the present an additional sum of \$75.00 will be given each year by a friend of the college to increase the prize to \$100.00.

classes, deliver original orations in competition for five prizes. The income of two thousand dollars, a part of which was given by Elizur Smith, Esq., of Lee., is appropriated for these prizes.

The Trustees of the college offer two prizes of twenty dollars and ten dollars respectively to members of the Freshman class for excellence in declamation.

RICE PRIZES

The income of five thousand dollars, left to the college by the late James Lathrop Rice, Esq., is by his will appropriated to the encouragement of Latin and Greek scholarship. Of this income sixty dollars may be awarded at Commencement of each year to the member of the Senior class who shall have shown the fullest and most accurate knowledge of certain Latin classics; and forty dollars to the member of the same class who shall have attained the second rank in the knowledge of the same authors; sixty dollars may be awarded at the same time to the member of the Senior class who shall have shown the fullest and most accurate knowledge of certain Greek classics; and forty dollars to the member of that class who shall have attained the second rank in the knowledge of the authors in question. The same student may compete for the prizes in both departments, but no prize will be assigned to a student who has not taken the subject for the four years of the college course. One of the elective year-courses, however, may be passed off by examination, but a course so passed may not count toward a degree.

DEWEY PRIZE

The late Hon. Francis Henshaw Dewey founded a prize of fifty dollars to be awarded to the member of the graduating class who presents the most creditable oration in

point of composition and delivery at the Commencement exercises.

LATHERS GOLD MEDAL

The income of a fund of one thousand dollars, received from the late Col. Richard Lathers, is to be used each year for the making of the Lathers gold medal from a mould or die, for the manufacture of which Col. Lathers gave an additional sum of one hundred dollars. This medal will be offered in competition to all members of the Senior class who hand to the Secretary of the Faculty on or before the first day of March preceding their graduation a written essay of not less than one thousand words on "The Duties of Christian Men in Relation to Government," and will be assigned to that writer whose essay is pronounced by a committee of the Faculty to be the most worthy of publication. The essay selected shall then be sent by the Secretary of the Faculty to the *Springfield Republican*, or to a journal published in Pittsfield, with the request that it may appear in a near issue of such newspaper. In case none of the competing essays is adjudged worthy of publication, no medal for that year shall be awarded.

THE DAVID A. WELLS PRIZE

In accordance with the will of the late David A. Wells, of the Class of 1847, a prize of \$500 will be awarded annually for the best essay upon a subject in any one of a number of branches of Political Science.

The will provides that if no essay deemed worthy of the prize be presented in any year the award shall be withheld for that year. The successful essay will be printed and circulated by the college out of the residual income of the fund.

Competition is limited by the terms of its foundation to Senior undergraduates, and to graduates of Williams College of not more than three years' standing.

The following provision of the will of the founder of the competition governs the committee in the selection of subjects and in the consideration of essays:

"No subjects shall be selected for competitive writing or investigation and no essay shall be considered which in any way advocates or defends the spoliation of property under form or process of law; or the restriction of commerce in times of peace by legislation, except for moral or sanitary purposes; or the enactment of usury laws; or the impairment of contracts by the debasement of coin; or the issue and use by Government of irredeemable notes or promises to pay intended to be used as currency and as a substitute for money; or which defends the endowment of such 'paper,' 'notes,' and 'promises to pay' with the legal tender quality."

The subject for the competition for the prize of 1912 will be announced during the winter of 1910-11. President Garfield will furnish competitors with the titles of authorities on the subject, on application.

The essays in the competition must be sent by March 15, 1912, to President Harry A. Garfield, Williamstown, Mass., to whom all communications should be addressed.

The competition for the prize of 1912, with the qualifications already stated, is open to the members of the classes of 1908, 1909, 1910 and 1911.

FRANKLIN STORY CONANT PRIZE IN BIOLOGY

This prize, which yields twenty-five dollars annually, has been founded by the Class of 1893, in memory of their deceased classmate, whose name it bears. The award of this prize is made upon the recommendation of the Professor of Natural History, to that member of the Senior class, who, in his judgment, is best fitted to profit by advanced biological study. The money thus awarded will be used to pay the tuition fee of such student at the Marine Biological Laboratory, Woods Hole.

GREEK PRIZES

The sum of one hundred dollars, contributed annually, for the present, by Eugene Delano, Esq., of the Class of 1866, is awarded in three prizes of fifty, thirty, and twenty dollars respectively, to the members of the Junior class who have shown the greatest excellence in the Greek studies of the Sophomore and Junior years.

CANBY ATHLETIC SCHOLARSHIP PRIZE

A prize of fifty dollars, established by W. Marriot Canby, Jr., of the Class of 1891, may be awarded at Commencement to that member of the Senior class who shall have attained the highest average standing in scholarship during his course, and who shall have fulfilled the requirements of eligibility.

Any member of the Senior class who has been in college since the beginning of his Junior year, and who, at any time during his college course, has represented the college in any recognized intercollegiate contest, shall be eligible.

PHILADELPHIA 1895 ALUMNI CUP

By the gift of Messrs. Felton Bent, Francis W. Rawle, and Henry D. Riley, of the Class of 1895, a cup, to be known as the Philadelphia 1895 Alumni Cup, will be awarded annually on the thirtieth day of May to that member of the Freshman class who, in the opinion of the Athletic Council and the Faculty, or a committee thereof, shall have shown during his first full year in college the most marked progress in those branches of athletics that now are and hereafter may be prescribed by the Faculty as courses to be taken by the Freshman class. It is further required that the recipient of the cup shall have maintained during his first year an average of at least C in his college work.

PHI BETA KAPPA

There are at present seventy-one chapters of Phi Beta Kappa located at various colleges and universities, and high scholarship is always an essential requirement for admission to the fraternity. The Williams, or Gamma of Massachusetts, chapter was established July 21, 1864.

On the second Saturday after the close of the semi-annual examinations in February, a number not exceeding one twelfth of the whole number of the Senior class is elected to membership. Also, after the final examinations of the Senior year, a twelfth of the remaining members of the Senior class is elected to membership. Almost without exception, the twelfth having the highest standing in the class is chosen.

HONORS

At the end of each college year the Faculty will award honors for high scholarship. These honors will be of two grades; viz., "honors" and "highest honors." The names of the recipients will be read at the Commencement exercises and printed in a pamphlet, which will be sent to the recipients, their parents, the Trustees, and the Faculty; and the names of the recipients will also be printed in the next annual catalogue. The names of Seniors taking honors may also be printed on the Commencement program.

The award will be made in accordance with the following conditions.

FRESHMAN, SOPHOMORE, JUNIOR, AND SENIOR CLASS HONORS

"Class honors" thus designated will be awarded at the end of each year to the students in each class who shall have attained the grade A in courses amounting to at least twenty-four semester-hours in that year, and shall have fallen below the grade B in none; and "highest class

honors" will be awarded to those students in each class who shall have attained the grade A in all their courses, provided the same amount to at least thirty semester-hours.

FINAL HONORS

A *General Final Honors*

"General final honors" will be awarded to those students who shall have attained the grade A in at least half the hours of their entire course, and fallen below the grade B in none; and "highest general final honors" will be awarded to those who shall have attained the grade A in all the courses taken by them in college.

B *Final Honors in Special Fields*

"Final honors" will be awarded at graduation in any "major" subject of study, as designated on p. 58 of the catalogue, to any student who shall have attained the grade A in all the courses making up his "major."

LYCEUM OF NATURAL HISTORY

This organization was founded in 1835, and is maintained by the students of the college in connection with the department of Biology. Regular meetings are held at which reports are presented by the members or by visiting biologists.

A fund established by the late William J. Walker equips expeditions, organized for the purpose of making collections and of study, at more or less distant points. This fund, which, by the terms of the gift, is awarded every fourth year, will be next available in the summer of 1912, for the encouragement of biological research at the Marine Biological Laboratory, Woods Hole, Mass.

WILLIAMS COLLEGE**CLASSICAL SOCIETY**

The Classical Society, formed of instructors and students in the elective Latin and Greek courses, has for its object the increase of interest in the study of the classics. It holds regular meetings in the College Library for the reading of classical authors, for the discussion of papers, and for reports in the fields of Greek and Latin philology and archæology.

ART ASSOCIATION

The Williams Art Association, an organization of the students, under the direction of Professor Rice, provides occasional lectures and exhibitions during the autumn and winter terms. The material has been provided largely by gifts of alumni and friends, who show their interest in this feature of college life by contributions to the support of the courses in the history of art. Room No. 13 in Hopkins Hall has been fitted up for exhibiting and storing the photographs, prints, and other illustrations purchased since the founding of the association.

LIBRARY ART COLLECTION

A valuable collection of paintings, bas-reliefs, Etruscan vases, and Peruvian pottery, the gift of the late Mrs. John W. Field, of Philadelphia, is on exhibition in the Library.

The gift of suitable works of art is solicited by the Trustees of the college, subject to approval by a committee of their number.

THOMPSON COURSE OF ENTERTAINMENTS

This course, which for many years was sustained by the liberality of the late F. F. Thompson, Esq., of New York, provided concerts and other entertainments during the winter. Mrs. Thompson has generously offered to continue the course for the current year.

Last year entertainments were given by the Kneisel Quartette, the Adamowski Trio, Yolando Mero, Prof. Copeland, and others.

FIELD SPORTS

The smaller athletic fields near the college buildings afford practice in lawn-tennis and baseball, while the large Weston Field, the gift of the late Hon. Byron Weston, of Dalton, affords opportunity for baseball, football, and track athletics. The golf links and tennis courts of the Taconic Club are open, on moderate terms, to student players

SCHOLARSHIPS

THE HORACE F. CLARK PRIZE SCHOLARSHIPS

Two Horace F. Clark Prize Scholarships, in honor of Horace F. Clark, Esq., of the Class of 1833, have been established under the provisions of the will of Madame Marie Louise Souberbeille, his daughter.

These two scholarships of \$500, which in exceptional cases may be combined in a single prize of \$1000 or may be continued to the same holder for more than one year, are awarded annually to such member or members of the Senior class as may be chosen by the Faculty on the basis of superior scholarship, general ability, and interest in scholarly research, the sum to be paid in instalments at the end of each quarter. Competitive examinations on designated subjects connected with the regular studies of the course and supplementary thereto may be required to test the ability of the candidates.

HONOR SCHOLARSHIPS

Several "Honor Scholarships" have been founded by alumni and friends of the college, in order to afford pecuniary aid, and to recognize successful scholarship. But under the present system all scholarships are considered

"honor scholarships," and therefore these special "Honor Scholarships," five in number, are now merged in the general list in accordance with previous announcements.

GENERAL SCHOLARSHIPS

The income from the endowments included in the appended list, amounting to about \$7,500 annually, is distributed, by direction of the Trustees, to those students who are known to need aid.

The regulations are as follows:

1 Applications must be made in advance to the Committee on Scholarships upon forms provided by the Dean. All scholarships lapse at the close of the college year. Application for renewal, including a complete statement of income and expenditure for the year preceding, must be filed before July 1st upon forms provided by the Committee.

2 All promises of scholarships to students before their admission are provisional. If conditions or deficiencies are standing against the candidate when the college year opens, his scholarship may thereby be forfeited.

3 Freshmen and Sophomores are expected to carry sixteen hours of college work per week, and Juniors and Seniors fifteen hours per week. A student having less than this number of hours to his credit at the beginning of any semester ordinarily forfeits his scholarship.

4 The stipend for Freshmen is uniformly fifty-seven and one-half dollars for the first semester. For each semester of the course after the first, the stipends range from fifty-seven and one-half to eighty-seven and one-half dollars.

A regrading of the stipends will be made at the beginning of each semester, on the basis of the standing for the previous semester, according to the following scale:

Group 1	\$87.50 per semester	Group 4	\$65.00 per semester
" 2	80.00 "	" 5	57.50 "
" 3	72.50 "		

5 A Freshman who fails to obtain grades as high as C in at least nine hours of work will lose his scholarship for the following semester.

6 After the Freshman year, a student who fails to obtain grades as high as C in at least twelve hours of work will lose his scholarship for the following semester.

7 Any one of the following causes may prevent the consideration of an application, or cause the forfeiture of a scholarship already awarded:

(a) Evidence satisfactory to the committee that the scholarship is not needed;

(b) Any serious misconduct;

(c) Indulgence in intoxicating liquors;

(d) Expensive habits. Holders of scholarships must satisfy the committee that they are exercising strict economy in respect to room, board, and general living expenses.

8 A scholarship may be restored after a lapse of a semester, if the cause of forfeiture has been removed.

Lists of all holders of scholarships, except Freshmen, are printed in the Catalogue in groups according to grades.

REVISED LIST OF SCHOLARSHIP FUNDS

The John C. Baldwin Fund, 1871.....	\$27,915.14
The William Hilton Fund, 1897, 1899.....	25,710.00
The Alumni Scholarship Fund, 1870.....	10,000.00
The Stephen Stickney Family Memorial Fund.....	10,000.00
The Mrs. Abby Burrall Mills Fund, 1876.....	8,300.00
The Massachusetts Fund, 1869.....	7,500.00
The Woodbridge Little Fund, 1811, 1813.....	6,000.00
The Ebenezer R. Goodnow Scholarship Fund, 1894.....	6,000.00
The Moses Day Fund, 1880	5,000.00
The Thomas Thornton Read Permanent Fund, 1888.....	5,948.93
The Mary Brown Ward Warner Scholarship.....	5,000.00
The three Commonwealth Scholarships, 1861.....	4,500.00
The Horace Nathaniel Pennoyer Scholarship, 1895.....	3,500.00
The Francis Henshaw Dewey Scholarship, 1888.....	3,000.00
The Henshaw Scholarship, 1888.....	3,000.00
The Joseph White Memorial Scholarship, 1903	3,000.00
The Thornton Read Scholarship, 1875.....	2,500.00
The Scholarship of the Class of 1851, 1872.....	2,500.00
The Scholarship of the Class of 1852, 1873	2,500.00
The Mrs. Louisa F. Bartlett Scholarship, 1874.....	2,500.00
The Homer Bartlett Scholarship, 1861, 1874.....	2,500.00
The William Hyde Scholarship, 1869, 1875.....	2,500.00
The Mrs. William Hyde Scholarship, 1880.....	4,765.25
The Orrin Sage Scholarship, 1853, 1875.....	2,500.00
The Miss Sarah Ruth Sage Scholarship, 1880.....	4,756.25
The Hancock Scholarship, 1875.....	2,500.00
The Olin White Geer Memorial Scholarship, 1884.....	2,500.00
The Paul Ansel Chadbourne Scholarship, 1889.....	2,500.00
The Charles Henry Thomson Scholarship, 1871.....	2,500.00
The James Ruthven Adriance Memorial Scholarship, 1880.....	2,500.00
The Samuel Dennis Warren Scholarship, 1870.....	2,500.00
The Charles Franklin Gilson Scholarship, 1881	2,500.00
The Scholarship of the Class of 1867, 1878, 1898.....	2,500.00
The Scholarship of the Class of 1862, 1868, 1902.....	2,500.00
The Ephraim Flint Scholarship, 1904.....	2,500.00
The Abraham Lansing Scholarship, 1906.....	2,500.00
The Henry P. Brush Scholarship, 1885.....	2,375.00
The Amos Lawrence Scholarships, 1847.....	2,000.00
The Charles Augustus Dewey Scholarship, 1866, 1870.....	1,500.00
The Charles A. Jessup Scholarship, 1879.....	1,000.00

The Mrs. Robert Means Fund, 1857.....	\$1,000.00
The Abraham Baldwin Olin Scholarship, 1866.....	1,000.00
The George H. Rosseter Scholarship, 1873.....	1,000.00
The Newton Henry Rosseter Scholarship, 1870.....	1,000.00
The Mrs. Charlotte Cone Scholarship, 1856.....	1,000.00
The Charles Stoddard Scholarship, 1866.....	1,000.00
The Emory Washburn Scholarship, 1877.....	1,000.00
The Mrs. Sarah Woodhull Arms Scholarship, 1877.....	1,000.00
The Cyrus Taggart Mills Scholarship, 1886.....	1,000.00
The Michael Edward Driscoll Fund, 1896.....	1,000.00
The George Anderson Scholarship, 1906.....	1,000.00
The Col. Henry Root Scholarship Fund, 1907.....	1,987.78
The Benjamin Howard Fund, 1902.....	952.50
The Ezra Starkweather Fund, 1835.....	943.60
The Franklin Marcellus Olds Fund, 1886.....	700.00
The Charles Merriam Scholarship, 1860.....	550.00
The J. Barker and Brothers Scholarship, 1856.....	500.00
The W. W. Mason Scholarship, 1856.....	500.00
The B. F. Bancroft Scholarship, 1856.....	500.00
The Bela Peck Williams Scholarship, 1859.....	500.00
The Thomas W. Williams Scholarship, 1859.....	500.00
The John Tatlock, Jr., Fund, 1892.....	500.00
The Charles Andrews Heath Fund, 1897.....	500.00
The John Dudley Hardy Fund, 1902.....	500.00
The Ira Jewett Geer Fund, 1902.....	500.00
The Fund of the Class of 1840.....	500.00
The Fund of the Class of 1857.....	500.00
The Fund of the Class of 1860.....	450.00
The Funds of six other Classes.....	337.00
The Frank Benjamin Yates Fund, 1897.....	300.00
The Mrs. Betsey Barnes Fund, 1879.....	300.00
The Fund of the Class of 1848.....	300.00
The Fund of the Class of 1847.....	200.00
Total	\$219,282.45

The Horace F. Clark Prize Scholarship Fund of \$20,000 is not a part of the General Scholarship Fund, its income being distributed as prizes to all successful competitors without regard to their pecuniary circumstances, as is explained on page 123.

EXPENSES**TREASURER'S BILLS**

Tuition, \$70 per semester.....	\$140.00	\$140.00
Room charge, \$25 to \$80 per semester.....	50.00	160.00
	<u>\$190.00</u>	<u>\$300.00</u>

The following is an estimate of some of the necessary expenses for the college year:

Board, \$5.00 to \$7.00 per week, for 38 weeks...	\$190.00	\$266.00
Washing	20.00	30.00
Light	5.00	20.00
	<u>\$215.00</u>	<u>\$316.00</u>
Total, from	391.00	to 616.00

In addition to these items a fee is charged for the use of apparatus and materials in connection with the following courses:

Art 1, Art 2, Art 3.....	Each \$3.00
Biology 2	10.00
Biology 3	10.00
Botany 1	3.00
Botany 2	3.00
Chemistry 1	3.00
Chemistry 2	10.00 and breakage
Chemistry 3	10.00 " "
Chemistry 5	5.00 " "
Chemistry 6	5.00 " "
Geology 2	3.00
Physics 1	3.00
Physics 2	10.00
Physics 3	10.00

All fees mentioned in this paragraph are paid directly to the respective departments at the beginning of each semester.

An additional charge of \$10.00 is made on the last semester bill of the Seniors to cover expenses of graduation.

Every student's bill is mailed to him at the beginning of each semester, and he is held responsible for prompt pay-

ment, which is required in advance. In case any student fails to pay by the end of the second week after the date of the bill, he may be excluded from all college exercises. No part of a term bill will be refunded for any cause.

To the above items must be added the expense of furnishing a room, cost of text-books, and incidentals. The amount of incidental expenses depends very much on the habits of the student.

Special damage done to college property by students will be charged to them.

Those who enter on an advanced standing, unless they come from another college, pay the following sums as entrance fees, viz.: Sophomores, \$10; Juniors, \$20; Seniors, \$30.

Every student taking courses amounting to more than 16 hours per week at the beginning of any semester will be charged a supplementary fee of \$10 for the extra instruction of that semester; and every student taking courses amounting to more than 19 hours per week at the beginning of any semester will be charged a supplementary fee of \$20 for the extra instruction of that semester.

COLLEGE ROOMS

The college has eight buildings used as dormitories. There are five triple rooms, one hundred and twenty-two double rooms and fifty-eight single rooms. These accommodate about three hundred students. The buildings are heated from a central heating plant. Each man provides his own light. Each building has bath-room and toilet conveniences.

Necessary repairs are made by the college, but all additional work is at the expense of those who occupy the rooms.

There are three methods of securing rooms: by occupancy, by lot, and by application.

1 Up to May 1st of each year the two occupants of any room may retain their room for the ensuing college year by

renewing their application and paying half of the yearly charge. One student may hold his half of a double room by securing a room-mate from his own class or from an upper class.

2 The rooms not thus re-engaged are offered to the college classes in the order of seniority. The choice in each class is determined by lot, but no choice is allowed except to two members of the same class who wish to room together.

3 All rooms not taken by the men in college are open to the entering class in the order of application. This application does not constitute a promise on either part, but it gives the applicant an opportunity to select a room if, when the time of choice comes, there is any room open that he desires. An early application is wise. If he wishes a double room, he must select his own room-mate at the time the application is filed, or take the next man on the application list.

To secure a room the applicant must sign the following paper:—

The undersigned hereby applies for the assignment to him of one-half of Room No.....in.....for the college year
subject to all the published room regulations, and for his personal use and occupancy as a student, and agrees to pay therefor as a part of the annual charges during said year against the undersigned as a student the sum of \$..... payable in half-yearly payments. The first half-yearly payment shall be payable when the assignment is made and no part thereof shall be refunded under any circumstances.

The payment of one half of the yearly charge when the assignment is made is required of all who take college rooms, both those already members of the college and those intending to enter.

The man who signs for a room must occupy it himself; he cannot transfer it. No double room is secured until both applications are on file with the Treasurer. Each occupant

of a college room is held responsible for all damage done to his room.

Students who leave college at the end of the college year, as well as those who are to change from one room to another, or from a college room to a private house or a society house, must remove all furniture and other property from their rooms immediately after Commencement. Furniture not thus removed by the owner will be removed by the college employees and stored at the owner's expense. This expense will be collected of students who leave college when the property is taken away, but in cases of other students it will be charged in the next term bill. All things sent for the students during vacation should be sent in the care of the Superintendent of Buildings.

Those students who, from choice or necessity, room in town can obtain rooms at prices somewhat higher than the rates charged in college.

Descriptive lists and price lists of rooms and general information may be obtained on application to the Treasurer.

COMMONS

A college commons has been established in Currier Hall accommodating about one hundred and thirty men. Meals are served at table d'hote rates to students availing themselves regularly of the privilege, while an a-la-carte service is also provided. In addition to the dining room, a large and attractively furnished common room is maintained.

PRIZES AWARDED AT COMMENCEMENT, 1910

THE BENEDICT PRIZES

In Latin

FIRST PRIZE—Equally divided between Charles Francis
Hawkins and Ernest Little Wakefield.....Class of 1912
SECOND PRIZE—Joseph Hendershot Park.....“ “ “
HONORABLE MENTION—Charles Leslie Hedden.....“ “ “

In Greek

FIRST PRIZE—Theodore Kendall Thurston.....Class of 1912
SECOND PRIZE—Harry Knowles Messenger.....“ “ “
HONORABLE MENTION—Henry Twitchell Hall.....“ “ 1911

In French

FIRST PRIZE—Chester Morse Jones.....Class of 1913
SECOND PRIZE—Harold Ross Ashburner Evans.....“ “ “

In German

FIRST PRIZE—Russell Mowen.....Class of 1910
SECOND PRIZE—Ralph Mason Blake.....“ “ 1911
HONORABLE MENTION—Francis Cogswell Wickes.....“ “ 1912

In Mathematics

FIRST PRIZE—Joseph Hendershot Park.....Class of 1912
SECOND PRIZE—Charles Francis Hawkins.....“ “ “
HONORABLE MENTION—Donald Leal Greenleaf.....“ “ “

In Natural History

FIRST PRIZE—Hubert William Fowle.....Class of 1910
SECOND PRIZE—Harry Louis Alexander.....“ “ “

In History

FIRST PRIZE—Lesley Green Sheafer.....Class of 1910

PRIZE FOR PRIZES

Hubert William Fowle.....Class of 1910

THE GRAVES PRIZES

For Essays—Class of 1910

Philo Clarke Calhoun	Hubert William Fowle
George Dart Carrington	Andrew Romaine Shiland

For Excellence in Delivery

Hubert William Fowle

THE RHETORICAL PRIZES

General Prize

George Wilson Van Gorder.....Class of 1911

Junior Prizes

FIRST PRIZE—Frank Fitt.....Class of 1911

SECOND PRIZE—Frederick Littlefield Cobb.....“ “ 1912

Sophomore Prizes

FIRST PRIZE—Frank Prentice Rand.....Class of 1912

SECOND PRIZE—Charles Howell Shons.....“ “ “

THE VAN VECHTEN PRIZE

For Extemporaneous Speaking

Philo Clarke Calhoun.....Class of 1910

DEBATING PRIZES

Brown-Dartmouth Preliminaries

FIRST PRIZE—Edward Samuel Greenbaum.....Class of 1910

SECOND PRIZE—Reginald Dunderdale Forbes.....“ “ 1911

THIRD PRIZE—Oliver Wolcott Toll.....“ “ 1913

Amherst-Wesleyan Preliminaries

FIRST PRIZE—Reginald Dunderdale Forbes.....Class of 1911

SECOND PRIZE—Edward Samuel Greenbaum.....“ “ 1910

THIRD PRIZE—Dean Langmuir.....“ “ “

THE DEWEY PRIZE

For Excellence in Commencement Exercises

Hubert William Fowle.....Class of 1910

THE RICE PRIZES

In Latin

FIRST PRIZE—Clarence Orman Hicks.....Class of 1910

SECOND PRIZE—Thomas Freeman Tarbell.....“ “ “

HONORABLE MENTION—Harold George Thompson.....“ “ “

BOOK PRIZES FROM THE RICE FUND

Lyndon Smith Beardslee.....	Class of 1912
Thomas Worth Doan.....	" " "
Henry Twitchell Hall	" " 1911
Charles Leslie Hedden.....	" " 1912
Ernest Boynton Patten.....	" " "
George Lee Trumbull.....	" " "

THE DELANO PRIZES IN GREEK

FIRST PRIZE—Paul Clinton Cook.....Class of 1911

THE CANBY ATHLETIC PRIZE

Stuart John Templeton.....Class of 1910

THE HORACE CLARK PRIZE SCHOLARSHIP

Senior and Graduate

Equally divided between

Samuel Wolcott Clausen and Dean Langmuir.....Class of 1910

Junior

Arthur Lester Rae.....Class of 1911

Sophomore

Charles Francis Hawkins.....Class of 1912

THE LATHERS GOLD MEDAL

Not awarded

THE DAVID AMES WELLS PRIZE

Not awarded

HONORS AWARDED AT COMMENCEMENT, 1910

CLASS HONORS

Senior Honors

Clarence Orman Hicks

Junior Honors

Ralph Mason Blake
Thorn Dickinson
James Garfield

Sophomore Honors

HIGHEST HONORS

Charles Francis Hawkins
Joseph Hendershot Park

HONORS

Charles Leslie Hedden
Theodore Kendall Thurston
Ernest Little Wakefield

GENERAL FINAL HONORS

Clarence Orman Hicks

FINAL HONORS IN SPECIAL FIELDS—CLASS OF 1910

Charlie Mead Benham *Greek, Latin*
George Morris Cheney *Chemistry*
Samuel Wolcott Clausen *Mathematics, Physics*
Clarence Orman Hicks *Greek, Latin*
Lesley Green Sheaffer *Latin*
Charles Douglas Woodhouse *Chemistry*

FRESHMAN DECLAMATION PRIZES

FIRST PRIZE—Phillip Butler Heywood.....Class of 1913
SECOND PRIZE—Dwight Copley Pitcher..... “ “ “

HOLDERS OF SCHOLARSHIPS SENIORS, JUNIORS, AND SOPHOMORES, CLASSES OF 1911, 1912, AND 1913

The following list of holders of scholarships is considered an "honor list." It includes the names of none who have not been in college for at least a year, and of none who failed to reach at least the grade of C for the last semester. It therefore excludes the names of all Freshmen and other new students, though they may be receiving the pecuniary advantages of scholarships.

It excludes also the names of a few students who hold scholarships by special vote of the Trustees.

The list is based on the work of the last semester, as explained in section 4 on page 124.

A few scholarships are dependent upon local considerations, or personal nomination. Incumbents of such scholarships are placed in the groups which correspond to their standing, without regard to the actual value of the scholarships which they hold.

GROUP II

1911

Abbot Paige Mills

1912

Ernest Little Wakefield

1913

Guy Groustine Hopper

GROUP III

1911

Sterling Power Lamprecht

Arthur Lester Rae

Henry Percy Shearman

1912

Raymond Foster Marshall

1913

John Joseph Danaher

Thomas Ray Mather

GROUP IV

1911

Edward Leonard Bacher
LeRoy Parker Ogden
Ernest Roland Preston

1912

Charles Albert Anderson
Charles Julius Bauerle
Sidney Leavitt Pressey
George Lee Trumbull

1913

William Boynton
George Selbie Gordon
Clyde Cantey McDuffie

GROUP V

1911

William James Cartwright
Frank Speer Coan
Allan Manro Eldredge
Francis Michael Fallon
Gregory Mason
Floyd Irwin Newton
John Virgil Parker
Charles Walter St.Denis

1912

Lyndon Smith Beardslee
Richard David Campbell
Thomas Harrison Card
Clarence Mannington Cossum
Bradford Hathaway
Howard Townsend Heister
Frederick Edward Linder
Paul Franklin Otis
Frank Prentice Rand
George Franklin Simson

1913

Newman Barnes Abercrombie
Daniel Francis Hoar
John Guy Prindle
Emil Robert Stein

APPOINTMENTS FOR COMMENCEMENT

CLASS OF 1910

PHILOSOPHICAL ORATIONS

First Class

Clarence Orman Hicks (*Valedictorian*)
Samuel Wolcott Clausen

Second Class

Charlie Mead Benham Hubert William Fowle
Edwin Partridge Lehman

ORATIONS

Russell Mowen Lesley Green Sheaffer
Harold Reed Sheedy

DISSERTATIONS

First Class

Richard Orcutt Bailey	William Wallace Smith, 2d
Frank Nicholls Dealy	Stuart John Templeton
Dean Langmuir	Harold George Thompson

Second Class

Belvidere Brooks, Jr.	Edwin James Kuh, Jr.
Raymond Noyes Crawford	Thomas Freeman Tarbell
Edward Samuel Greenbaum	Temple Williams
John Robert Hamilton	Norris George Wood

DEGREES CONFERRED IN 1910

DEGREES IN COURSE

BACHELOR OF ARTS

Carl Ferdinand Ahlstrom, Jr.	Harold Macy Jenkins
Harry Louis Alexander	Edwin Theodore Johnson, Jr.
Sinclair Tousey Allen	Stafford Fisher Johnson
Dan Hinckley Arnold	Leonard Douglas Karcher
James Auld Austin	Arthur Livingston Kelley, Jr.
Bierce Bailey	John Randolph Labaree
Stanley Prindle Benton	Morris Bryan Lambie
Charles Russell Brewer	George Vaill LaMonte
Daniel Low Bridgman	Frederick Beasley Marsh, 2d
Lyndon Bulkley Cady	Alvin Simmons Meland
Philo Clarke Calhoun	Gerald Hays Page
George Dart Carrington	Garrett Hardy Payne
William Lansing Chapman	John Raymond Peck
George Morris Cheney	Henry Beaumont Pennell, Jr.
Harrison Holmes Cochran	Colburn Pinkham
Frederick Van Cleve Cole	Lars Sellstedt Potter
Albert Selmser Coons	Arthur Barr Powell
Anson Eldred	Leon Sherman Pratt
Joseph Shattuck Ely	Walter Scott Rooney
Richard Duncan Ely	John Power Ryan
Malcolm Edwin Erskine	Andrew Romaine Shiland
Charles French Gould	Walter Rumsey Skinner
Chapman Grant	Charles Parsons Stocking
Robert Graves, Jr.	Fred Hurlbut Taylor
Theodore Barton Griffith	John Francis Thomas
William Castle Herrick	James Alexander Tillinghast
Rowland Sloan Hill	John Lincoln Waldo
Lawrence Rust Hills	Charles Henry Welsby
William Harold Hosford	James Seymour Westbrook
Charles Frost Hurd, Jr.	Hamilton Brooks Wood
Richard Law Jackson	Charles Douglas Woodhouse

MASTER OF ARTS

Clyde Coleman	Clarence Wells Dunham
Roy Stanley Corwin	Richard Rossman Lawrence
Frank Ward Strong	

WILLIAMS COLLEGE

HONORARY DEGREES

DOCTOR OF LETTERS

George Kennan

DOCTOR OF LAWS

Charles Evans Hughes

Francis Ellington Leupp

Francis Cabot Lowell

STUDENTS

CANDIDATES (IN RESIDENCE) FOR THE DEGREE OF MASTER OF ARTS

Richard Orcutt Bailey, B.A., 1910, Williamstown
Chemistry Mathematics

Jerome James Brainerd, B.S., 1909, St. Lawrence University
Williamstown
Chemistry Physics

Barnaby Matthew Hogan, B.A., 1906, Williamstown
Romance Languages Latin

William Harold Hosford, B.A., 1910, Williamstown
English German

William Byard Phelan, B.A., 1909, Harvard University
Williamstown
Latin Greek

Sumner Wynne Stevens, B.A., 1881, University of Rochester
Williamstown
English History

Sanborn Gove Tenney, B.A., 1886, Williamstown
English Geology

Norris George Wood, B.A., 1910, Williamstown
Economics History

SENIORS—CLASS OF 1911*

Harold Stanard Adams	<i>Pittsfield</i>	Θ. A. X. House
Francis Loudon Andrews	<i>Dalton</i>	Φ. Z. K. House
Jay Bernard Angevene	<i>Highland, N. Y.</i>	A. Z. A. House
Edward Leonard Bacher	<i>Gilbertville</i>	A. Z. A. House
Ralph Mason Blake	<i>Greenfield</i>	25 B. H.
Herbert Bluthenthal	<i>Wilmington, N. C.</i>	38 M. H.
Herbert Fred Bohnet	<i>Brooklyn, N. Y.</i>	Δ. T. House
Charles Henry Breck Brackett	<i>Newton</i>	26 M. H.
Edward Henry Brockway	<i>Hartford, Conn.</i>	23 B. H.
George Bruce Brooks	<i>New York, N. Y.</i>	Δ. K. E. House
Norman Keyes Bryant	<i>North Adams</i>	10-11 B. H.
Miron Bunnell	<i>Duluth, Minn.</i>	Z. Ψ. House
Norman Lee Burton	<i>Oak Park, Ill.</i>	32 M. H.
William James Cartwright	<i>Williamstown</i>	102 Water St.
Lewis Winthrop Clough	<i>Worcester</i>	1 F. H.
Frank Speer Coan	<i>Urumia, Persia</i>	A. Z. A. House
John Alfred Cogswell	<i>Newton Center</i>	26 M. H.
Paul Clinton Cook	<i>Pittsfield</i>	13 B. H.
Paul Dana	<i>Philadelphia, Pa.</i>	Δ. K. E. House
Thorn Dickinson	<i>Middlebury, Vt.</i>	15 B. H.
Raymond Canfield Dodd	<i>Glen Ridge, N. J.</i>	23 M. H.
William Vanderbilt Dolph	<i>Portland, Ore.</i>	North Adams
Alfred Elijah Edwards	<i>Natick</i>	9 B. H.
Allan Manro Eldredge	<i>Auburn, N. Y.</i>	7 B. H.
Samuel B. Emery	<i>Albany, N. Y.</i>	19 B. H.
Francis Michael Fallon	<i>Williamstown</i>	2 Main St.
Edwin Albert Fish	<i>Minneapolis, Minn.</i>	Z. Φ. Place
John Welton Fisher, Jr.	<i>Milwaukee, Wis.</i>	Φ. Δ. Θ. House
Frank Fitt	<i>East Northfield</i>	11 F. H.
Seward Griffin Folsom	<i>Circleville, O.</i>	Δ. T. House
Reginald Dunderdale Forbes	<i>New London, Conn.</i>	A. Z. A. House
Donald Ford	<i>Brooklyn, N. Y.</i>	X. Ψ. Lodge

* LIST OF ABBREVIATIONS

The following abbreviations are used in the addresses of students:

B. H.	Berkshire Hall	J. H.	Jesup Hall
C. H.	College Hall	M. H.	Morgan Hall
Cr. H.	Currier Hall	T. B. L.	Thompson Biological Laboratory
E. C.	East College	T. C. L.	Thompson Chemical Laboratory
F. H.	Fayerweather Hall	T. P. L.	Thompson Physical Laboratory
W. C.	West College		

James Garfield	<i>Williamstown</i>	A. Δ. Φ. House
Merrill Newcomb Gates	<i>Auburn, N. Y.</i>	K. A. Lodge
Danforth Geer, Jr.	<i>Hoosick Falls, N. Y.</i>	St. Anthony H.
Robert William Gilmore	<i>Woodmere, N. Y.</i>	A. Δ. Φ. House
Henry Holland Goff	<i>Fall River</i>	Δ. T. House
Edwin Bulkley Gore	<i>Chicago, Ill.</i>	Φ. Δ. Θ. House
Gustave Philip Grabfield	<i>Cincinnati, O.</i>	18 B. H.
James Tracy Hale, Jr.	<i>Deerwood, Minn.</i>	Z. Ψ. House
Henry Twitchell Hall	<i>East Orange, N. J.</i>	9 M. H.
John Daniel Hass	<i>West Stockbridge</i>	32 M. H.
Clifford Hemphill	<i>New York, N. Y.</i>	St. Anthony H.
Chester Dodd Heywood	<i>Worcester</i>	Z. Ψ. House
Alexander Campbell Hooker	<i>Evanston, Ill.</i>	Θ. Δ. X. House
Leon Remy Hourdequin	<i>Brooklyn, N. Y.</i>	38 M. H.
Ralph Edwin Howes	<i>Williamstown</i>	30 M. H.
Frank Jay Jerome	<i>Painesville, O.</i>	23 M. H.
Redford Kohlsaat Johnson	<i>New York, N. Y.</i>	13-14 B. H.
Guilford Jones	<i>Colorado Springs, Col.</i>	X. Ψ. Lodge
William Van Antwerp Kemp	<i>New York, N. Y.</i>	26 M. H.
Stephen Girard Kent	<i>Summit, N. J.</i>	12 B. H.
Harold Hunter Kissam	<i>Bay Shore, N. Y.</i>	Z. Φ. Place
August Klipstein, Jr.	<i>New York, N. Y.</i>	12 W. C.
Herbert Clement Klipstein	<i>New York, N. Y.</i>	1 M. H.
Sterling Power Lamprecht	<i>Cleveland, O.</i>	15 B. H.
George Orr Latimer	<i>Portland, Ore.</i>	33 M. H.
Archie Howe Leland	<i>Buffalo, N. Y.</i>	12 B. H.
James Dowd Lester	<i>Saratoga Springs, N. Y.</i>	Φ. Δ. Θ. House
Frederick Harrington Loomis	<i>Jefferson, O.</i>	Δ. T. House
John Putnam Loomis	<i>Englewood, N. J.</i>	St. Anthony H.
Forrest Frew Macnee	<i>New York, N. Y.</i>	Φ. Δ. Θ. House
Maurice Kirkley Mark	<i>Springfield, O.</i>	Δ. T. House
Gregory Mason	<i>New York, N. Y.</i>	A. Z. A. House
Harry Knowles Messenger	<i>Springfield</i>	47 Cole Ave.
Abbot Paige Mills	<i>Pittsfield</i>	A. Z. A. House
Charles Harold Alleyne Mott	<i>Brooklyn, N. Y.</i>	12 W. C.
Floyd Irwin Newton	<i>Williamstown</i>	Φ. Z. K. House
Ralph Lawrence Oakley	<i>New York, N. Y.</i>	K. A. Lodge
LeRoy Parker Ogden	<i>Pittsfield</i>	13 B. H.
Marvin Olcott, Jr.	<i>Corning, N. Y.</i>	Z. Φ. Place
Fletcher Douglas Parker	<i>Minneapolis, Minn.</i>	Φ. Δ. Θ. House
John Virgil Parker	<i>Medina, N. Y.</i>	7 B. H.
Herbert Charles Peter, Jr.	<i>Buffalo, N. Y.</i>	Θ. Δ. X. House

James Pomeroy Porter	<i>Fort Wayne, Ind.</i>	X. ♀. Lodge
Sidney Powers	<i>Troy, N. Y.</i>	17 B. H.
Ernest Roland Preston	<i>Natick</i>	A. Z. A. House
Edward Mailler Radway	<i>New York, N. Y.</i>	K. A. Lodge
Arthur Lester Rae	<i>Holyoke</i>	7 B. H.
Lloyd Robinson	<i>Sea Cliff, N. Y.</i>	Z. ♀. House
Charles Walter St. Denis	<i>North Adams</i>	10 B. H.
Walter Adams Shaw	<i>New York, N. Y.</i>	Φ. Δ. Θ. House
Henry Percy Shearman	<i>Williamstown</i>	A. Z. A. House
Robert Ostrander Starrett	<i>New York, N. Y.</i>	Φ. Δ. Θ. House
Stanley Weisel Stern	<i>New York, N. Y.</i>	24 B. H.
Harold Tilson Stetson	<i>Auburn, Me.</i>	2 F. H.
Beatty Stevens	<i>Chicago, Ill.</i>	A. Δ. Φ. House
Kenneth Montague Sturges	<i>Brooklyn, N. Y.</i>	30 M. H.
Clinton Combes Swan	<i>Brooklyn, N. Y.</i>	Z. ♀. House
Lewis Taber Sweet	<i>Omaha, Neb.</i>	X. ♀. Lodge
Langdon Thom Thaxter	<i>Portland, Me.</i>	K. A. Lodge
George Wilson Van Gorder	<i>Pittsburg, Pa.</i>	Φ. Δ. Θ. House
Hubbell Brainerd West	<i>Syracuse, N. Y.</i>	9 B. H.
William Walton Woolsey	<i>Englewood, N. J.</i>	St. Anthony H.
Total		94

JUNIORS—CLASS OF 1912

Charles Albert Anderson	<i>West Orange, N. J.</i>	16 F. H.
Robert Powers Anderson	<i>Springfield</i>	1 F. H.
Lee Byron Baker	<i>Gardner</i>	22 E. C.
Edward Rice Bartlett	<i>Buffalo, N. Y.</i>	X. Ψ. Lodge
Loyd Hayward Bartlett	<i>Auburn, N. Y.</i>	Φ. Δ. Θ. House
Charles Julius Bauerle, Jr.	<i>Bloomfield, N. J.</i>	1 E. C.
Gerald Hyde Beard	<i>Minneapolis, Minn.</i>	22 B. H.
Lyndon Smith Beardslee	<i>Hartford, Conn.</i>	5 F. H.
Simmons Brown	<i>Portland, Me.</i>	35 M. H.
Morris Everett Bumpus	<i>Windsor</i>	6 E. C.
Richard David Campbell	<i>Dorset, Vt.</i>	Φ. Σ. K. House
Thomas Harrison Card	<i>North Adams</i>	1 E. C.
Frederick Littlefield Cobb	<i>Minneapolis, Minn.</i>	Φ. Σ. K. House
William Steele Brown Comstock	<i>Cleveland, O.</i>	Φ. Δ. Θ. House
Frederick Conger	<i>Brooklyn, N. Y.</i>	Σ. Φ. Place
Charles Bennett Cook, Jr.	<i>Fall River</i>	Σ. Φ. Place
Clarence Mannington Cossum	<i>Poughkeepsie, N. Y.</i>	A. Z. A. House
Clyde Huxster Crawford	<i>East Orange, N. J.</i>	23 E. C.
Charles Waldemar Curtis	<i>Plattsburg, N. Y.</i>	Φ. Σ. K. House
Thomas Worth Doan	<i>Richmond, Ind.</i>	5 M. H.
Manning Cromwell Field	<i>Brooklyn, N. Y.</i>	St. Anthony H.
Walter Cleveland Fried	<i>New York, N. Y.</i>	30 B. H.
Ryerson Dudley Gates, Jr.	<i>Oak Park, Ill.</i>	Δ. K. E. House
Richard Gildersleeve	<i>Gildersleeve, Conn.</i>	X. Ψ. Lodge
John Calvin Goddard, Jr.	<i>Salisbury, Conn.</i>	Φ. Δ. Θ. House
Donald Leal Greenleaf	<i>Plainfield, N. J.</i>	10 F. H.
Durand Appleton Hall	<i>Milwaukee, Wis.</i>	Z. Ψ. House
Bradford Hathaway	<i>Williamstown</i>	24 E. C.
Charles Francis Hawkins	<i>Warwick, N. Y.</i>	2 M. H.
Charles Leslie Hedden	<i>Newark, N. J.</i>	12 M. H.
Howard Townsend Heister	<i>Watervliet, N. Y.</i>	54 Main St.
Wolcott Hubbell	<i>Ellensburg, Wash.</i>	Δ. K. E. House
Branton Holstein Kellogg	<i>Brookline</i>	St. Anthony H.
Arthur Myndert Kimberly	<i>Watervliet, N. Y.</i>	9 M. H.
James Ernest King	<i>Toledo, O.</i>	X. Ψ. Lodge
Edward Augustus Lane	<i>Brooklyn, N. Y.</i>	16 F. H.
Albert Munger Lewis	<i>Oak Park, Ill.</i>	5 E. C.

Fred Edward Linder	<i>Williamsbridge, N. Y.</i>	Δ. K. E. House
Harry Hunt Loomis	<i>Victor, N. Y.</i>	20 F. H.
William McCredie, Jr.	<i>Elgin, Ill.</i>	Φ. Δ. Θ. House
Charles Kirk McFarlin	<i>East Orange, N. J.</i>	7 M. H.
Raymond Foster Marshall	<i>Newark, N. J.</i>	29 B. H.
Harry Perry Martin	<i>Williamstown</i>	19 E. C.
John Dusenbury Matz	<i>Chicago, Ill.</i>	A. Δ. Φ. House
Paul Franklin Otis	<i>Scituate</i>	A. Z. A. House
Ernest Boynton Patten	<i>Dorchester</i>	24 E. C.
Lawrence Wood Peirson	<i>Pittsfield</i>	12 M. H.
Osgood Perry	<i>Fitchburg</i>	3 F. H.
Jesse Dudley Peterson	<i>Lockport, N. Y.</i>	Z. Ψ. House
Sidney Leavitt Pressey	<i>Orange</i>	23 E. C.
Kenneth Talbot Price	<i>Chicago, Ill.</i>	2 F. H.
Maxon How Pulford	<i>Duluth, Minn.</i>	St. Anthony H.
John Wells Rahill	<i>Lawrenceville, N. J.</i>	Φ. Δ. Θ. House
Frank Prentice Rand	<i>Worcester</i>	Φ. Z. K. House
Albert Cleveland Reed	<i>Seattle, Wash.</i>	9 Walden St.
Philip Cree Rider	<i>Mexico City, Mex.</i>	A. Δ. Φ. House
Edwin Joseph Rogers	<i>Albany, N. Y.</i>	22 E. C.
Rush Hawkins Rogers	<i>Orange, N. J.</i>	K. A. Lodge
Robert Winthrop Seeley	<i>Williamstown</i>	College Place
Robert Deyo Sherman	<i>Nyack, N. Y.</i>	38 M. H.
Charles Howell Shons	<i>Washingtonville, N. Y.</i>	A. Δ. Φ. House
George Franklin Simson	<i>Lockport, N. Y.</i>	A. Z. A. House
Roger Vinton Snow	<i>Portland, Me.</i>	X. Ψ. Lodge
Frank Livingood Surls	<i>Williamstown</i>	20 Glen Road
Emerson Howland Swift	<i>New York, N. Y.</i>	Φ. Δ. Θ. House
Robert Wendel Taylor	<i>Auburn, N. Y.</i>	Φ. Z. K. House
Theodore Kendall Thurston	<i>Portland, Me.</i>	35 M. H.
Frank Bosworth Tiebout	<i>Brooklyn, N. Y.</i>	Z. Ψ. House
James Foster Townsend	<i>Greenwich, N. Y.</i>	A. Z. A. House
George Lee Trumbull	<i>Greenwich, N. Y.</i>	A. Z. A. House
Leslie Marshall VanDeusen	<i>Hudson, N. Y.</i>	Z. Ψ. House
Robert Frederick Curt vonWitzleben	<i>New York, N. Y.</i>	Θ. Δ. X. House
Ernest Little Wakefield	<i>Sheffield</i>	6 E. C.
Ronald Fabius Webster	<i>Evanston, Ill.</i>	2 M. H.
Lawrence Charles Wellington	<i>Amherst</i>	15 F. H.
Bryant Davis Wetherell	<i>Holyoke</i>	33 M. H.
Clifford Henry White	<i>Lenox</i>	8 F. H.
Alan Griffith Whittemore	<i>Englewood, N. J.</i>	St. Anthony H.

WILLIAMS COLLEGE

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Percival Wilcox Whittlesey	<i>Middletown, Conn.</i>	21 B. H.
Francis Cogswell Wickes	<i>Rochester, N. Y.</i>	27 B. H.
Clarence Stuart Alexander Williams	<i>Utica, N. Y.</i>	A. Δ. Φ. House
William Hutcheson Windom	<i>Washington, D. C.</i>	St. Anthony H.
Ernest Howard Winter	<i>Orange, N. J.</i>	Δ. K. E. House
William Courtney Wright	<i>Brooklyn, N. Y.</i>	5 M. H.
Total		84

SOPHOMORES—CLASS OF 1913

Frank Prouty Abbott	<i>Goshen, Ind.</i>	5 E. C.
Newman Barnes Abercrombie	<i>Windsor</i>	12 E. C.
Walter Byron Adams	<i>Geneseo, N. Y.</i>	25 M. H.
Irwin Elkus Auerbach	<i>New York, N. Y.</i>	10 C. H.
Clifford Hogencamp Ayres	<i>Paterson, N. J.</i>	Θ. Δ. X. House
Stanley Mason Babson	<i>South Orange, N. J.</i>	Z. Ψ. House
Henry Raymond Bacon	<i>Pittsfield</i>	13 F. H.
Henry Ward Banks, 3d	<i>Englewood, N. J.</i>	34 M. H.
Beach Barrett	<i>Bloomfield, N. J.</i>	21 F. H.
Brace Bennitt	<i>Springfield</i>	6 F. H.
Ronald Fletcher Bogle	<i>Wappingers Falls, N. Y.</i>	6 W. C.
John Alden Bower	<i>Poughkeepsie, N. Y.</i>	21 M. H.
William Boynton	<i>St. Johnsbury, Vt.</i>	20 E. C.
Leslie Kenneth Bradley	<i>New York, N. Y.</i>	20 M. H.
James Philip Cahen, Jr.	<i>New York, N. Y.</i>	3 Cr. H.
James Francis Carroll	<i>Troy, N. Y.</i>	11 Cr. H.
J. Wilbur Chapman, Jr.	<i>New York, N. Y.</i>	Δ. K. E. House
William Brown Clarkson	<i>Brooklyn, N. Y.</i>	7 E. C.
Holland Coffin	<i>Northboro</i>	3 E. C.
Robert Mason Converse	<i>Albany, N. Y.</i>	Z. Φ. Place
Robert Crane	<i>Pelham Manor, N. Y.</i>	20 F. H.
Burton Sargeant Dake	<i>Cleveland, O.</i>	25 M. H.
Arthur James Daly	<i>New York, N. Y.</i>	12-A F. H.
Henry Trumbull Dana	<i>Philadelphia, Pa.</i>	18 E. C.
John Joseph Danaher	<i>Williamstown</i>	46 Meacham St.
George Allen Davis, Jr.	<i>Lancaster, N. Y.</i>	13 M. H.
Henry Dearborn	<i>Rye, N. Y.</i>	22 F. H.
Eugene Hoyne de Bronkart	<i>Chicago, Ill.</i>	X. Ψ. Lodge
Guy Eugene de Lagerberg	<i>Passaic, N. J.</i>	20 Southworth St.
John Clarke Dewey, Jr.	<i>Worcester</i>	K. A. Lodge
Ashley Weed Dickinson	<i>Duluth, Minn.</i>	Z. Ψ. House
John Owen Stearns Edwards	<i>Elizabeth, N. J.</i>	X. Ψ. Lodge
Steuart MacKie Emery	<i>Morristown, N. J.</i>	16 C. H.
Harold Van Vechten Fay	<i>Auburn, N. Y.</i>	15 Cr. H.
William Hinrichs Field	<i>Brooklyn, N. Y.</i>	8 M. H.
Richard Starbuck Fielding	<i>Glens Falls, N. Y.</i>	Z. Ψ. House
Irving Duncan Fish	<i>Minneapolis, Minn.</i>	Z. Φ. Place
Talbot Flanders	<i>Brookline</i>	4 B. H.

John Eliot Fowler	Bridgeport, Conn.	2. ♀. Place
Edward Livingston Freeman	Central Falls, R. I.	7 W. C.
Gilbert Wolfe Gabriel	New York, N. Y.	20 B. H.
John Beebe Gibson	Waterloo, N. Y.	7 E. C.
Lewis Foster Gifford	Chicago, Ill.	6 F. H.
Huntington Gilchrist	Auburn, N. Y.	16 M. H.
George Selbie Gordon	Williamstown	31 Southworth St.
John Brockett Hague	Saratoga Springs, N. Y.	7 M. H.
Julian Delamater Hamlin	Chicago, Ill.	♂. Δ. ♂. House
Charles Randall Hart	Buffalo, N. Y.	9 E. C.
Frederick Armitage Hewat	Briggsville	4 F. H.
Frederick Clowes Hewlett	Merrick, N. Y.	13 M. H.
Philip Butler Heywood	Worcester	4 M. H.
Daniel Francis Hoar	Troy, N. Y.	15 E. C.
Guy Groustine Hopper	Williamstown	81 Cole Ave.
Charles Winthrop Hosley	Warren	26 B. H.
Henry Greene Hotchkiss	New York, N. Y.	14 W. C.
John Platt Hubbell	Garden City, N. Y.	18 E. C.
Chester Morse Jones	Newton Center	19 F. H.
Rochester Burnett Jones	New York, N. Y.	Z. ♀. House
Willis Webster Judd	Chicago, Ill.	14 Cr. H.
Frank Sampson Kelley	Chatham, N. J.	18 Spring St.
Warren Post Kortright	Brooklyn, N. Y.	17 Cr. H.
Coit Ladd	Rutherford, N. J.	17 M. H.
Josiah Lasell	Whitinsville	29 Hoxsey St.
Alan Leggett	Chatham, N. Y.	7 F. H.
Loran Lodowick Lewis, 3d	Buffalo, N. Y.	22 M. H.
Richard Vaughan Lewis, Jr.	Irvington, N. Y.	22 M. H.
Ceylon Arthur Lyman	Minneapolis, Minn.	34 M. H.
Clyde Cantey McDuffie	Washington, D. C.	87½ Spring St.
Benjamin Thayer McGill	Englewood, N. J.	⊙. Δ. X. House
William Thomson McKay	Fort Wayne, Ind.	X. ♀. Lodge
John Aeneas Mackenzie	Lexington	28 B. H.
Roderick MacLeod	Newport, R. I.	18 Cr. H.
John Miguel Martinez	New York, N. Y.	5 W. C.
William Pitt Mason, Jr.	Troy, N. Y.	K. A. Lodge
Thomas Ray Mather	Benton, Pa.	15 E. C.
Frederic Woehler Mears	Williamstown	Argilla
John Harbeck Meeker	East Orange, N. J.	18 Spring St.
Frederic Arnold Merrill	Dorchester	11 M. H.
Lewis Cuddeback Merritt	Goshen, N. Y.	14 F. H.
Sidney Morris Michael	Buffalo, N. Y.	28 M. H.

Edgar Nash Miller	<i>Albany, N. Y.</i>	24 M. H.
John Richardson Miller	<i>Leominster</i>	20 E. C.
Charles Nelson Mortenson	<i>Oak Park, Ill.</i>	16 W. C.
Francis Stetson Mygatt	<i>New York, N. Y.</i>	A. F. H.
Henry Siller Narten	<i>Cleveland, O.</i>	8 W. C.
Edgar Joshua Nathan, Jr.	<i>New York, N. Y.</i>	20 Spring St.
John Kewley Henshaw Nightingale, Jr.	<i>Providence, R. I.</i>	18 Cr. H.
Thomas Raymond Nusbickel	<i>Lyons, N. Y.</i>	24 M. H.
Harry Anselm O'Brien	<i>North Adams</i>	North Adams
Jerome Foote Page	<i>Batavia, N. Y.</i>	28 M. H.
Carle Lawyer Parsons	<i>Binghamton, N. Y.</i>	11 W. C.
Edwin Oscar Perrin	<i>Cambridge</i>	14 M. H.
Dwight Copley Pitcher	<i>Utica, N. Y.</i>	9 E. C.
Edward Merriam Powell	<i>Grand Rapids, Mich.</i>	31 M. H.
Schuyler Pratt	<i>Tacoma, Wash.</i>	8 Cr. H.
John Guy Prindle	<i>Williamstown</i>	31 Southworth St.
Edwin Pyle	<i>Yonkers, N. Y.</i>	11 W. C.
Wallace Rand, Jr.	<i>Brookline</i>	13 F. H.
William Thompson Rice	<i>Pittsfield</i>	15 W. C.
Laurence Rothfeld	<i>New York, N. Y.</i>	2 Cr. H.
Allen Manvel Schaufler	<i>Highland Park, Ill.</i>	14 Cr. H.
Thomas Julius Shack	<i>New York, N. Y.</i>	10 Cr. H.
Marshall Bingeman Shantz	<i>Rochester, N. Y.</i>	2. 4. Place
Winthrop Lawrence Sheedy	<i>Groton</i>	14 M. H.
George Marsden Shipton	<i>Pittsfield</i>	8 E. C.
Livingston Lyman Short	<i>New York, N. Y.</i>	5 W. C.
Irving Frederick Smith	<i>Watertown, Conn.</i>	36 M. H.
Robert Kemble Smith	<i>Hartford, Conn.</i>	8 W. C.
James Darrow Standish, Jr.	<i>Detroit, Mich.</i>	K. A. Lodge
Emil Robert Stein, Jr.	<i>North Adams</i>	North Adams
Wynne Chard Stevens	<i>Williamstown</i>	9 Walden St.
Joseph Kiddoo Surls	<i>Williamstown</i>	20 Glen Road
Leonard Swain	<i>Pomfret Center, Conn.</i>	8 M. H.
Winthrop Chester Swain	<i>West Roxbury</i>	29 M. H.
Arthur Lessner Swift, Jr.	<i>New York, N. Y.</i>	36 M. H.
Henry Favill Tenney	<i>Winnetka, Ill.</i>	X. 2. Lodge
Edward Decker Thomas	<i>Chatham, N. Y.</i>	7 F. H.
Isaac Preston Thomas	<i>Upper Montclair, N. J.</i>	4 M. H.
Charles Stanley Thompson	<i>Minneapolis, Minn.</i>	St. Anthony H.
Oliver Wolcott Toll	<i>Denver, Col.</i>	15 Cr. H.
George Wheeler Trevor	<i>Buffalo, N. Y.</i>	6 M. H.
William Muir Urquhart, Jr.	<i>Chehalis, Wash.</i>	4. A. 6. House

WILLIAMS COLLEGE

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Charles Bach Utley	<i>Buffalo, N. Y.</i>	31 M. H.
Frederick Albert Vietor	<i>New York, N. Y.</i>	A F. H.
James Monroe Walker	<i>Chicago, Ill.</i>	16 Cr. H.
Augustus Cuddeback Wallace	<i>Goshen, N. Y.</i>	14 F. H.
Kenneth Buchanan Wallace	<i>New York, N. Y.</i>	A. Δ. Φ. House
Stirling Davis Ward	<i>East Orange, N. J.</i>	11 Cr. H.
Edward Richmond Ware	<i>New York, N. Y.</i>	16 M. H.
Edward Higginson Williams, 3d	<i>Woodstock, Vt.</i>	21 M. H.
Walter Halsey Young	<i>New Rochelle, N. Y.</i>	19 F. H.
Total		131

FRESHMEN—CLASS OF 1914

Clarence Cutler Abbott	<i>New York, N. Y.</i>	10 M. H.
Waldemar Patterson Adams	<i>Portland, Me.</i>	1 B. H.
Edwin Holmes Adriance	<i>New York, N. Y.</i>	18 M. H.
Harris Ely Adriance, Jr.	<i>New York, N. Y.</i>	13 Cr. H.
Rutherford Oakes Ainslie	<i>Oak Park, Ill.</i>	28 Hoxsey St.
Columbus Delano Ames	<i>Baltimore, Md.</i>	19 Cr. H.
Berrien Palmer Anderson	<i>San Rafael, Cal.</i>	15 W. C.
John Ure Anderson	<i>Youngstown, O.</i>	D C. H.
Harry Forester Armstrong	<i>Piqua, O.</i>	Θ. A. X. House
Carl Joseph Austrian	<i>New York, N. Y.</i>	78 Spring St.
John Greer Bartram	<i>Lakeville, Conn.</i>	2 E. C.
Roy Battenberg	<i>Scranton, Pa.</i>	9 F. H.
James Phinney Baxter, 3d	<i>Portland, Me.</i>	25 Hoxsey St.
Eric McCoy Beach	<i>Orange, N. J.</i>	157 Main St.
Alfred Clarke Bedford	<i>Brooklyn, N. Y.</i>	14 W. C.
Gerhard Frederick Behre	<i>New Canaan, Conn.</i>	28 Hoxsey St.
Samuel Sholes Berger	<i>Milwaukee, Wis.</i>	8 W. C.
George Bernheimer	<i>New York, N. Y.</i>	81 Park St.
Dayton Curtis Beverly	<i>Fort Edward, N. Y.</i>	78 Spring St.
Hampton Bonner	<i>New York, N. Y.</i>	28 Hoxsey St.
Donald Flagg Bowen	<i>Providence, R. I.</i>	16 Cr. H.
Edgar Willis Bowne	<i>Flushing, N. Y.</i>	29 Hoxsey St.
William Brace	<i>Highland Park, Ill.</i>	North St.
Charles William Brackett	<i>New York, N. Y.</i>	30 Hoxsey St.
Cephas Brainerd, IV.	<i>Haddam, Conn.</i>	2 E. C.
Robert Chesley Brewster	<i>Wolfboro, N. H.</i>	88 Water St.
Richard Lea Bronson	<i>Tacoma, Wash.</i>	8 Cr. H.
Joseph William Brooks	<i>New York, N. Y.</i>	13 W. C.
Cornelius Merrill Brown	<i>Matawan, N. J.</i>	18 Spring St.
Cyrus Perrin Brown, Jr.	<i>Providence, R. I.</i>	7 Cr. H.
Arthur Lyle Bunnell	<i>Brooklyn, N. Y.</i>	21 South St.
John David Campbell	<i>Chicago, Ill.</i>	11 E. C.
Rodman Wright Chamberlain	<i>New Britain, Conn.</i>	27 J. H.
John Hallett Clark, Jr.	<i>Mamaroneck, N. Y.</i>	20 Spring St.
Freeman Clarkson, Jr.	<i>Brooklyn, N. Y.</i>	14 E. C.
Joseph Plumb Cochran	<i>Minneapolis, Minn.</i>	12 Cr. H.
Howard Holden Cooke	<i>Brooklyn, N. Y.</i>	Σ. Φ. Place
Sanford Corey	<i>Portland, Me.</i>	25 Hoxsey St.

Horace Ranney Corner	<i>Cleveland, O.</i>	12 F. H.
Elmer Eckert Cornwell	<i>Holyoke</i>	153 Main St.
Harold Cobb Cowell	<i>Ashburnham</i>	4 E. C.
George Henry Cramer	<i>Troy, N. Y.</i>	20 North St.
Ridgway Miller Cravens	<i>Brooklyn, N. Y.</i>	12 C. H.
William Anderson Crosby	<i>La Crosse, Wis.</i>	78 Spring St.
William Ballou Crosman	<i>Auburn, N. Y.</i>	6 C. H.
William Leonard Crum	<i>North Adams</i>	North Adams
George Terry Curtis	<i>Plattsburg, N. Y.</i>	18 Spring St.
Theodore Hamilton Dauchy	<i>Brooklyn, N. Y.</i>	6 B. H.
John Goldthwait Davis	<i>Brookline</i>	15 M. H.
Charles Airmet DeLand, Jr.	<i>Warren</i>	18 Southworth St.
David Short Dennison	<i>Youngstown, O.</i>	7 C. H.
Franklin Clyde Doane	<i>Plainfield, N. J.</i>	A. T. House
Norman Delafield Du Bois	<i>Montclair, N. J.</i>	2 W. C.
Norman Duffield	<i>Troy, N. Y.</i>	A. Z. A. House
Henry Manning Dunham	<i>Scranton, Pa.</i>	9 F. H.
Howard Ernest Duryea	<i>Riverhead, N. Y.</i>	19 E. C.
Charles Franklyn Ely	<i>Westfield</i>	18 C. H.
George Goodman Ernst	<i>New York, N. Y.</i>	B C. H.
Samuel Scriven Evans, Jr.	<i>Paterson, N. J.</i>	25 Hoxsey St.
Beverley Montague Eyre	<i>Stapleton, N. Y.</i>	18 F. H.
Harold Howell Fish	<i>Middletown, N. Y.</i>	29 North St.
Alfred Louis Flesh	<i>Piqua, O.</i>	188 Main St.
Loren Albert Fletcher	<i>Blue Island, Ill.</i>	3 C. H.
Lyman Sheridan Frasier	<i>Amsterdam, N. Y.</i>	128 Main St.
Henry Helm French	<i>Chicago, Ill.</i>	11 E. C.
Stephen Luther French	<i>Fall River</i>	25 Hoxsey St.
Alfred Warren Gale	<i>Troy, N. Y.</i>	6 B. H.
Mason Garfield	<i>Williamstown</i>	13 C. H.
Roger Williams Gates	<i>Hartford, Conn.</i>	25 Hoxsey St.
Joseph White Geer	<i>New York, N. Y.</i>	32 Hoxsey St.
Fletcher Ladd Gill	<i>West Newton</i>	6 W. C.
John Westfield Gillette, Jr.	<i>Hudson, N. Y.</i>	23 F. H.
Daniel Carter Gittings	<i>Baltimore, Md.</i>	16 B. H.
Carl Edward Glock	<i>Johnstown, Pa.</i>	17 Thomas St.
Gerald Louis Goldsmit	<i>Pittsburgh, Pa.</i>	81 Park St.
Edwin Saffen Graham	<i>New York, N. Y.</i>	28 Hoxsey St.
James Thomas Greene	<i>Woonsocket, R. I.</i>	Θ. A. X. House
Louis Henry Gross	<i>Troy, N. Y.</i>	29 North St.
Henry Tracy Hale	<i>Towanda, Pa.</i>	27 Hoxsey St.
Stockton Harter	<i>Canton, O.</i>	3 M. H.

Walter Crane Hathaway	Brooklyn, N. Y.	2 B. H.
George Emerson Haynes	Adams	47 Cole Ave.
Allston Headley	Albany, N. Y.	25 Hoxsey St.
Olyn Daffon Hemming	Colorado Springs, Col.	A. A. & House
Henry Solomon Hendricks	New York, N. Y.	9 C. H.
James Frederic Herrick	New York, N. Y.	153 Main St.
George William Higinbotham	Victor, N. Y.	13 C. H.
Walter Mills Hinkle	New York, N. Y.	29 North St.
Karl Hofmann Hodge	St. Louis, Mo.	21 South St.
John Tasker Howard, Jr.	Brooklyn, N. Y.	6 M. H.
Norman Frothingham Hunnewell	Chelsea	15 M. H.
John B Hunter	Evanston, Ill.	3 B. H.
Paul Hull Hyde	Wichita, Kan.	81 Park St.
Robert Rollin Jewett	Aberdeen, S. D.	21 South St.
Walter Erwin Johnson	Geneseo, N. Y.	14 C. H.
David Gale Jones	Minneapolis, Minn.	12 Cr. H.
Herbert Du Noyer Jones	Brooklyn, N. Y.	21 South St.
Vicktor Heath Jones	New York, N. Y.	20 Spring St.
George Fuller Kelley	Providence, R. I.	7 Cr. H.
Lawrence Albert Kohn	New York, N. Y.	15 C. H.
Clive Woodbury Lacy	Dubuque, Ia.	19 North St.
Henry Manchester Ladd, Jr.	Rutherford, N. J.	17 M. H.
Meredith Clearman Laffey	Newark, N. J.	2 W. C.
John Howard Lawson	New York, N. Y.	18 Hoxsey St.
Gillet Lefferts	New York, N. Y.	3 W. C.
Arthur Lawrence Leshner, Jr.	Rye, N. Y.	21 South St.
Charles Willard Lester	Saratoga Springs, N. Y.	27 Hoxsey St.
Henry Martyn Lester, Jr.	New Rochelle, N. Y.	16 E. C.
George Joseph Levi	New York, N. Y.	184 Main St.
Edward Converse Lincoln	Springfield	30 Hoxsey St.
Kenneth Chandler Lincoln	Fall River	19 Cr. H.
Robert Davis Longyear	Minneapolis, Minn.	6 Cr. H.
Horace Miller Lothman	Cincinnati, O.	22 F. H.
Ernest Orville Lothrop	Leominster	12 E. C.
Bruce Holme McClure	New York, N. Y.	7 Spring St.
Francis Robbins McCook	Steubenville, O.	10 W. C.
John Alan MacGruer	Syracuse, N. Y.	27 Hoxsey St.
Donald Sage Mackay	New York, N. Y.	11 M. H.
Donald Mackenzie	Flushing, N. Y.	18 Southworth St.
Frederick Whittlesey McKown	Rochester, N. Y.	A C. H.
James McKown, Jr.	Rochester, N. Y.	1 C. H.
Norman Hillard MacLeish	Glencoe, Ill.	28 Hoxsey St.

Comerford McLoughlin	<i>Rye, N. Y.</i>	20 M. H.
Edwin Sidley McManus	<i>New York, N. Y.</i>	27 Hoxsey St.
Charles Martin Marchand	<i>Canton, O.</i>	Θ. Δ. X. House
Jerome Eisman Markstein	<i>Binghamton, N. Y.</i>	27 Hoxsey St.
John Archibald Marshall	<i>Beaver Dam, Wis.</i>	3 E. C.
Walter Sands Marvin	<i>Brooklyn, N. Y.</i>	4 W. C.
Edwin Post Maynard, Jr.	<i>Brooklyn, N. Y.</i>	14 E. C.
David Moffat	<i>Brooklyn, N. Y.</i>	21 South St.
Willson Bridges Moody	<i>Evanston, Ill.</i>	32 Hoxsey St.
Walter Boynton Moore	<i>Columbus, O.</i>	29 M. H.
John Chapin Mosher	<i>Albany, N. Y.</i>	20 C. H.
Kenneth Dean Myers	<i>Bayonne, N. J.</i>	3 W. C.
David Copeland Naramore	<i>Rochester, N. Y.</i>	2 B. H.
Robert Elkan Naumburg	<i>New York, N. Y.</i>	2 Cr. H.
Alexander Hill Neagle	<i>Elmira, N. Y.</i>	Θ. Δ. X. House
Robert Ray Newton	<i>Lenox</i>	11 C. H.
Roland Crosby Nickerson	<i>Boston</i>	188 Main St.
Addison Hurlbutt Northrop	<i>Norwich, Conn.</i>	4 E. C.
Charles Frederic Olmsted, Jr.	<i>Grand View, Tenn.</i>	35 Cole Ave.
Franklin Fessenden Olmsted	<i>Yonkers, N. Y.</i>	3 C. H.
Kenneth Hunter Owens	<i>Plainfield, Ill.</i>	9 W. C.
Arthur Newton Pack	<i>Lakewood, N. J.</i>	6 Cr. H.
Randolph Greene Pack	<i>Cleveland, O.</i>	30 Hoxsey St.
Lucien Dean Pearson	<i>Hartford, Conn.</i>	1 Cr. H.
Reginald Dwight Perry	<i>Fitchburg</i>	3 F. H.
Charles Blanchard Phelps, Jr.	<i>Detroit, Mich.</i>	18 M. H.
Charles Swayne Phillips	<i>Montclair, N. J.</i>	Δ. K. E. House
Oscar Bishop Phillips	<i>Medina, O.</i>	25 Hoxsey St.
Alfred Perkins Pillsbury	<i>Springfield</i>	30 Hoxsey St.
Malcolm Robertson Pitt, Jr.	<i>Stamford, Conn.</i>	21 South St.
Joseph Douglas Porter	<i>Cincinnati, O.</i>	28 J. H.
Philip Childs Potter	<i>New York, N. Y.</i>	26 J. H.
Robert Ellsworth Power	<i>St. Paul, Minn.</i>	9 Cr. H.
Dwight Harold Pratt	<i>Cincinnati, O.</i>	19 C. H.
Leonard Sidney Prince	<i>New York, N. Y.</i>	2 C. H.
George Horton Pushee	<i>Weston</i>	3 B. H.
William Joseph Rahill	<i>Lawrenceville, N. J.</i>	37 M. H.
Frank Danforth Richardson	<i>East Orange, N. J.</i>	18 Spring St.
Francis Russell Rising	<i>Lancaster, O.</i>	5 B. H.
Charles Henry Robinson, Jr.	<i>Portland, Me.</i>	19 North St.
Elmer Robinson	<i>Pawtucket, R. I.</i>	28 Hoxsey St.
David James Robison	<i>Toledo, O.</i>	28 Hoxsey St.

Albert Wright Rockwood	<i>West Medford</i>	10 E. C.
Stanley Tippet Rodgers	<i>Middletown, N. Y.</i>	88 Spring St.
James Pratt Rogers	<i>New Britain, Conn.</i>	19 C. H.
John Stanton Rogers	<i>West Newbury</i>	23 F. H.
Tracy Lesman Rothfeld	<i>New York, N. Y.</i>	4 C. H.
John Douglas Miller Royal	<i>Harrisburg, Pa.</i>	32 Hoxsey St.
Kendall Ainsworth Sanderson	<i>Lynn</i>	25 Hoxsey St.
Clinton Whitcomb Sheaffer	<i>Pottsville, Pa.</i>	37 M. H.
John Sherburne, 2d	<i>Amsterdam, N. Y.</i>	128 Main St.
Malcolm Clarke Sherwood	<i>Springfield</i>	18 Hoxsey St.
John Lazear Sly	<i>Warwick, N. Y.</i>	17 Cr. H.
Abbott Metcalf Smith	<i>New Bedford</i>	188 Main St.
Andrew Raymond Smith	<i>Bridgeport, Conn.</i>	9 G. H.
Francis Irwin Smith	<i>Brooklyn, N. Y.</i>	128 Main St.
Francis Seifert Smith, Jr.	<i>Roxbury</i>	184 Main St.
George William Smith	<i>White River Jc., Vt.</i>	10 E. C.
Lewis Holman Smith	<i>Washington, Conn.</i>	18 Southworth St.
Merritt Haviland Smith, Jr.	<i>Kensico, N. Y.</i>	3 M. H.
Clark Arndt Snell	<i>Canajoharie, N. Y.</i>	18 F. H.
Harold Allen Spring	<i>Franklinville, N. Y.</i>	21 South St.
Robert Parker Staats, 2d	<i>New York, N. Y.</i>	1 B. H.
John Dickinson Stevens	<i>Lee</i>	10 C. H.
Jacob Chauncey Stone	<i>North Adams</i>	North Adams
John Newell Stone	<i>Springfield</i>	21 F. H.
George Clarke Swan	<i>Pittsburgh, Pa.</i>	21 South St.
Richard Taillefer Taylor	<i>Poughkeepsie, N. Y.</i>	18 M. H.
Luke Garretson Thomas	<i>New Rochelle, N. Y.</i>	23 Hoxsey St.
Oscar Stanley Thompson, Jr.	<i>Orange, N. J.</i>	8 E. C.
Edward Hatch Titus, Jr.	<i>Closter, N. J.</i>	28 Hoxsey St.
Hudson Robert Topping	<i>Peoria, Ill.</i>	26 J. H.
John Dunham Townsend	<i>New York, N. Y.</i>	10 M. H.
William Mandeville Troy	<i>Olean, N. Y.</i>	4 B. H.
William Bradford Turner	<i>Dorchester</i>	21 South St.
George Robert Urquhart	<i>Concord</i>	28 Hoxsey St.
Ward Van Alstyne	<i>New York, N. Y.</i>	20 Spring St.
Clinton Spooner Van Cise	<i>Summit, N. J.</i>	28 Hoxsey St.
Durand Halsey Van Doren	<i>East Orange, N. J.</i>	23 J. H.
Rudolph deLuce van Hoevenberg	<i>New York, N. Y.</i>	7 Spring St.
James Taylor Van Steenbergh	<i>New York, N. Y.</i>	29 North St.
Calvin Pitts Vary	<i>Newark, N. Y.</i>	4 W. C.
Clarence Herbert Venner, Jr.	<i>New York, N. Y.</i>	32 Hoxsey St.
Albert Vinal	<i>Newton Center</i>	184 Main St.

Webb Isaiah Vorys	<i>Columbus, O.</i>	5 B. H.
Richmond Walker	<i>Brookline</i>	1 Cr. H.
George Newman Wallace	<i>New York, N. Y.</i>	20 Hoxsey St.
Rowland Westcott Waterbury	<i>Saratoga Springs, N. Y.</i>	27 Hoxsey St.
Lester Foss Watson	<i>Williamstown</i>	10 Thomas St.
Richard Ellsworth Weeks	<i>Shelburne, Vt.</i>	5 C. H.
Ralph Alphonse Weill	<i>Buffalo, N. Y.</i>	16 Southworth St.
Harvey Elijah Wellman	<i>Providence, R. I.</i>	3 Cr. H.
Elmer Kraus Weppner	<i>Buffalo, N. Y.</i>	16 Southworth St.
Paul Brown West	<i>Glens Falls, N. Y.</i>	78 Spring St.
Henry Alexander Williams	<i>Westfield</i>	87 Meacham St.
Otis Nelson Williams	<i>Bedford, N. Y.</i>	42 Southworth St.
Lawrence Otis Wilson	<i>Chicago, Ill.</i>	27 Hoxsey St.
Robert Wilson	<i>Syracuse, N. Y.</i>	10 W. C.
Paul Stuart Winslow	<i>River Forest, Ill.</i>	16 W. C.
Harold Francis Winter	<i>Orange, N. J.</i>	Δ. K. E. House
Lawrence Baker Woodard	<i>Minneapolis, Minn.</i>	7 W. C.
William Ozmun Wyckoff	<i>Ithaca, N. Y.</i>	28 Hoxsey St.
Samuel Dow Wyman	<i>Pittsfield</i>	16 E. C.
Total		225

SUMMARY BY CLASSES

SENIORS	94
JUNIORS	84
SOPHOMORES	131
FRESHMEN	225
GRADUATE STUDENTS: RESIDENT	8
	<hr/>
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SUMMARY BY STATES

NEW YORK	211
MASSACHUSETTS	118
NEW JERSEY	46
ILLINOIS	30
OHIO	27
CONNECTICUT	21
MINNESOTA	16
PENNSYLVANIA	12
MAINE	9
RHODE ISLAND	9
VERMONT	6
WASHINGTON	5
WISCONSIN	5
INDIANA	4
COLORADO	3
MICHIGAN	3
DISTRICT OF COLUMBIA	2
MARYLAND	2
OREGON	2
CALIFORNIA	1
IOWA	1
KANSAS	1
MISSOURI	1

WILLIAMS COLLEGE

159

NEBRASKA	I
NEW HAMPSHIRE	I
NORTH CAROLINA	I
SOUTH DAKOTA	I
TENNESSEE	I
MEXICO	I
PERSIA	I

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ALPHABETICAL LIST OF NAMES

Clarence Cutler Abbott, <i>Fr.</i>	Eric McCoy Beach, <i>Fr.</i>
Frank Prouty Abbott, <i>Soph.</i>	Gerald Hyde Beard, <i>Jr.</i>
Newman Barnes Abercrombie, <i>Soph.</i>	Lyndon Smith Beardslee, <i>Jr.</i>
Harold Stannard Adams, <i>Sr.</i>	Alfred Clarke Bedford, <i>Fr.</i>
Waldemar Patterson Adams, <i>Fr.</i>	Gerhard Frederick Behre, <i>Fr.</i>
Walter Byron Adams, <i>Soph.</i>	Brace Bennitt, <i>Soph.</i>
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Edwin Holmes Adriance, <i>Fr.</i>	George Bernheimer, <i>Fr.</i>
Harris Ely Adriance, Jr., <i>Fr.</i>	Dayton Curtis Beverly, <i>Fr.</i>
Rutherford Oakes Ainslie, <i>Fr.</i>	Ralph Mason Blake, <i>Sr.</i>
SAMUEL EDWARD ALLEN, <i>Inst.</i>	Herbert Bluthenthal, <i>Sr.</i>
Columbus Delano Ames, <i>Fr.</i>	Ronald Fletcher Bogle, <i>Soph.</i>
Berrien Palmer Anderson, <i>Fr.</i>	Herbert Fred Bohnet, <i>Sr.</i>
Charles Albert Anderson, <i>Jr.</i>	Hampton Bonner, <i>Fr.</i>
John Ure Anderson, <i>Fr.</i>	Donald Flagge Bowen, <i>Fr.</i>
Robert Powers Anderson, <i>Jr.</i>	John Alden Bower, <i>Soph.</i>
Francis Loudon Andrews, <i>Sr.</i>	Edgar Willis Bowne, <i>Fr.</i>
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Carl Joseph Austrian, <i>Fr.</i>	Leslie Kenneth Bradley, <i>Soph.</i>
Clifford Hogencamp Ayres, <i>Soph.</i>	Cephas Brainerd, IV., <i>Fr.</i>
Stanley Mason Babson, <i>Soph.</i>	Jerome James Brainerd,
Edward Leonard Bacher, <i>Sr.</i>	<i>Grad. Student</i>
Henry Raymond Bacon, <i>Soph.</i>	Robert Chesley Brewster, <i>Fr.</i>
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Beach Barrett, <i>Soph.</i>	Joseph William Brooks, <i>Fr.</i>
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John Greer Bartram, <i>Fr.</i>	Simmons Brown, <i>Jr.</i>
Roy Battenberg, <i>Fr.</i>	Norman Keyes Bryant, <i>Sr.</i>
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 Norman Lee Burton, *Sr.*
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John Putnam Loomis, *Sr.*

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Abbot Paige Mills, *Sr.*

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 Henry Siller Narten, *Soph.*
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 Robert Elkan Naumburg, *Fr.*
 Alexander Hill Neagle, *Fr.*
 Floyd Irwin Newton, *Sr.*
 Robert Ray Newton, *Fr.*
 Roland Crosby Nickerson, *Fr.*
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Jr., Soph.
 Addison Hurlbutt Northrop, *Fr.*
 Thomas Raymond Nusbickel, *Soph.*
 Ralph Lawrence Oakley, *Sr.*
 Harry Anselm O'Brien, *Soph.*
 LeRoy Parker Ogden, *Sr.*
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 Charles Frederic Olmsted, *Jr., Fr.*
 Franklin Fessenden Olmsted, *Fr.*
 Paul Franklin Otis, *Jr.*
 Kenneth Hunter Owens, *Fr.*
 Arthur Newton Pack, *Fr.*
 Randolph Greene Pack, *Fr.*
 Jerome Foote Page, *Soph.*
 Fletcher Douglas Parker, *Sr.*
 John Virgil Parker, *Sr.*
 Carle Lawyer Parsons, *Soph.*
 Ernest Boynton Patten, *Jr.*
 Lucien Dean Pearson, *Fr.*
 Lawrence Wood Peirson, *Jr.*
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 Oscar Bishop Phillips, *Fr.*
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 Malcolm Robertson Pitt, *Jr., Fr.*
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 Robert Ellsworth Power, *Fr.*
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 Philip Cree Rider, *Jr.*
 Francis Russell Rising, *Fr.*
 Charles Henry Robinson, *Jr., Fr.*
 Elmer Robinson, *Fr.*
 Lloyd Robinson, *Sr.*
 David James Robison, *Fr.*
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 Charles Howell Shons, *Jr.*
 Livingston Lyman Short, *Soph.*
 George Franklin Simson, *Jr.*
 John Lazear Sly, *Fr.*
 Abbott Metcalf Smith, *Fr.*
 Andrew Raymond Smith, *Fr.*
 Francis Irwin Smith, *Fr.*
 Francis Seifert Smith, *Jr., Fr.*
 George William Smith, *Fr.*
 Irving Frederick Smith, *Soph.*
 Lewis Holman Smith, *Fr.*
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 Robert Kemble Smith, *Soph.*

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